

REPORT

OF

THE MILITIA COUNCIL

FOR THE

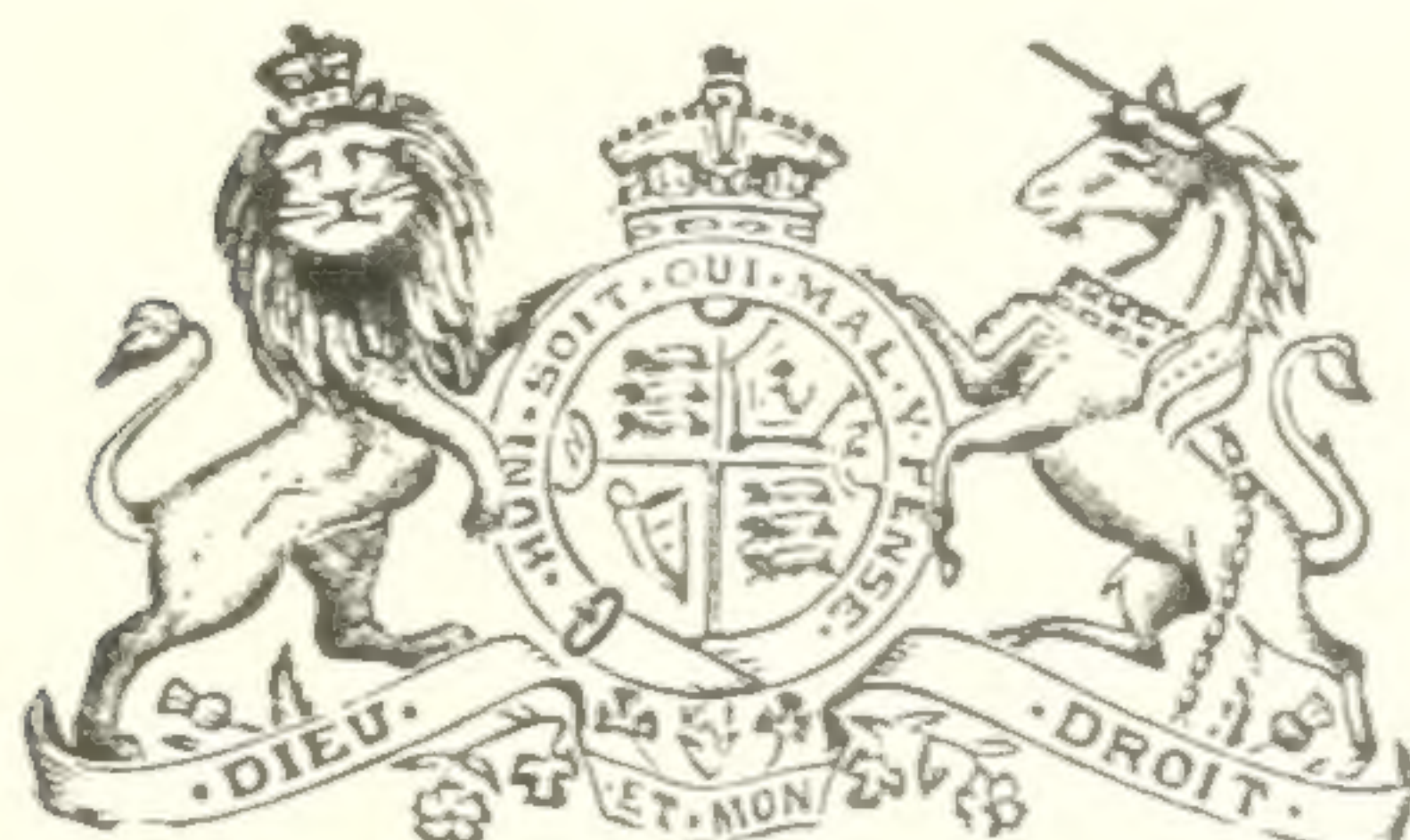
DOMINION OF CANADA

FOR THE

FISCAL YEAR ENDING MARCH 31

1914

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OTTAWA

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EXCELLENT MAJESTY.

1915.

[No. 35—1915.]







*To Field Marshal His Royal Highness Prince Arthur William Patrick Albert, Duke of Connaught and of Strathearn, K.G., K.T., K.P., etc., etc., etc., Governor General and Commander in Chief of the Dominion of Canada.*

SIR,—I have the honour to lay before Your Royal Highness the annual report of the Militia Council for the fiscal year ending March 31, 1914.

I have the honour to be,

Sir,

Your Royal Highness' most obedient servant,

SAM HUGHES, *Major-General,*  
*Minister of Militia and Defence.*

November 1, 1914.







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ANNUAL REPORT  
OF  
THE MILITIA COUNCIL  
Year Ending March 31, 1914

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The Militia Council present, herewith, their report on the work of the Militia during the twelve months ending March 31, 1914.

MILITARY POLICY.

Since the presentation of the report for the year ending March 31, 1913, there has been no alteration in the military policy of the department.

DEFENCE.

In the general scheme of defence, no change of importance has been introduced; but details, including the allotment of units, have been revised and corrected up to date.

With regard to field formations, gradual effect is being given to the arrangements proposed by Sir John French and subsequently endorsed by Sir Ian Hamilton.

In Eastern Canada, six divisions and four mounted brigades are in process of formation; and in the West (where the divisional system has not yet been applied) three mounted brigades and three brigades of infantry have been organized.

With regard to fixed defences, Halifax is increasing both in commercial and in strategical importance. New docks and railway terminals are under construction; and to some extent they have deranged the system of defence, which will require readjustment.

Below Quebec there is work that needs to be taken in hand; but it will have to stand over until other more urgent services have been completed elsewhere.

At Esquimalt, defence arrangements are very far from perfect; but it has been decided, before incurring more than normal expenditure on the up-keep of the fortress, to await the formulation of a definite policy in regard to the defence of the Pacific Coast.

INTERDEPARTMENTAL COMMITTEE.

During the year the Interdepartmental Committee has continued to co-ordinate the work of the Militia Department and the Department of the Naval Service, particularly when dealing with questions which relate to the subject of coast defence.

MILITARY INTELLIGENCE.

There has been circulated and filed for reference a great deal of useful information, in the collection of which very valuable assistance has been rendered by officers of the Corps of Guides; and of certain areas and districts of special importance from the



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standpoint of national defence, systematic reconnaissances have been started or arranged.

## TRAINING.

### GENERAL REMARKS.

The following is a brief description of the training carried out by the Canadian Militia during the season of 1913. The report of the late Inspector General on the results of that training is printed herein as Appendix F page 82; and the numbers of officers and men of the Active (Non-Permanent) Militia who were actually trained, are tabulated in Appendix A, statement No. 3, page 44.

The training was carried out in accordance with a memorandum "Instruction for Training, 1913," issued early in the year for the guidance of instructors and of officers and non-commissioned officers of the Active (Non-Permanent) Militia. The instructions were practically the same as those issued in 1912.

This year all arms trained for twelve days, except the artillery and infantry (city corps) which trained for sixteen days.

Owing to the cost of transport it was found impracticable to bring artillery and engineer units from the Maritime Provinces to Petawawa, as was done last year, and they trained instead at Sussex and Aldershot.

Additional manoeuvre areas, suitable for combined training, are much needed. The cost of bringing units to Petawawa is excessive; yet, in Eastern Canada, it is the only manoeuvre area where there is sufficient room for the training of all arms, and it is the only artillery practice ground which is at present available.

Instructors from the Permanent Force were provided on the following scale (so far as the numbers available would permit): One officer to each cavalry, artillery, or infantry brigade; one non-commissioned officer to each cavalry regiment, battery of artillery, or infantry battalion.

Owing to the shortness of time and the large proportion of recruits who attend the annual camps, but little field training is possible, the greater portion of the period available being of necessity allotted to work of a more elementary description.

### PERMANENT FORCE.

With the exception of batteries of horse and heavy artillery, which trained at Petawawa, all units of the Permanent Force carried out training in their respective areas, under arrangements made by divisional and district commanders.

No. 5 Company, Royal Canadian Garrison Artillery, was employed on duty in aid of the civil power at Nanaimo, B.C., from August 13, 1913, to January 19, 1914, in consequence of which this unit was unable to carry out gun practice at Esquimalt.

### ACTIVE (NON-PERMANENT) MILITIA.

#### *Cavalry.*

With the exception of one mounted brigade, which trained at Petawawa, cavalry units carried out twelve days' training in their respective areas at the authorized camps of instruction.

#### *Artillery.*

*Field and Heavy.*—Batteries carried out training and gun practice at the following stations:—

Petawawa—

Seven brigades, Canadian Field Artillery.

One battery, Canadian Field Artillery.







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2nd	Field Company, Canadian Engineers	.. . . .	Niagara.
3rd	"	"	.. . . . Petawawa.
4th	"	"	.. . . . "
5th	"	"	.. . . . Barriefield.
6th	"	"	.. . . . North Vancouver.
7th	"	"	.. . . . Petawawa.

*Corps of Guides.*

Detachments of two sections each were trained in the 1st, 4th, 5th and 6th Divisional Areas, and in Military Districts Nos. 11 and 13. In the 2nd Divisional Area a complete company went into camp; in Military District No. 10, a detachment of one section.

In the 4th Divisional Area a reconnaissance ride was carried out in the vicinity of lake Champlain, the period of training being completed in Farnham Camp; and in the 5th Divisional Area a reconnaissance ride took place in the Chaudière valley. With the foregoing exceptions, the whole period of training was spent in camp.

A total of 217, all ranks, including 47 officers, were trained; and, in addition, five officers attended courses of instruction or carried out duties of a special nature.

*Infantry.*

Rural regiments trained as usual.

In the case of city corps, the following statement shows the training they performed in camp. The number of days includes one day "marching in" and one day "marching out" and, in most cases, a Sunday.



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Unit.	Establishment.	STRENGTH IN CAMP			Percentage of Total Establishment.	Days of Training.	Where Trained in Camp.
		Officers	N.C.O. and Men.	Total.			
G. G. F. G. ....	548	14	188	202	37	5	Petawawa.
1st Regiment..	540	14	106	120	22	5	Three Rivers.
2nd " ..	1,049	26	237	263	25	5	Niagara.
3rd " ..	548	15	158	173	32	5	Three Rivers.
5th " ..	1,048	16	249	265	25	5	"
6th " ..	540	17	210	227	42	5	Sidney.
7th " ..	548	9	55	64	12	5	Tactical Exercise.
10th " ..	540	4	83	87	16	5	Niagara.
13th " ..	548	22	186	208	38	5	"
14th " ..	540	16	220	236	43	5	Tactical Exercise.
15th " ..	540	17	134	151	28	5	"
19th " ..	540	18	128	146	27	5	Niagara.
21st " ..	540	13	75	88	16	5	Tactical Exercise.
22nd " ..	302	16	133	149	49	6	London.
24th " ..	302	10	110	120	40	5	Tactical Exercise.
25th " ..	540	13	107	120	22	5	London.
28th " ..	506	26	211	237	47	5	"
38th " ..	540	21	275	296	55	5	Niagara.
41st " ..	302	14	84	98	32	5	Tactical Exercise.
52nd " ..	540	18	184	202	38	6	Sewell.
53rd " ..	540	7	168	175	32	4	Three Rivers.
54th " ..	540	18	272	290	53	4	"
57th " ..	540	26	278	304	56	5	Tactical Exercise.
60th " ..	540	19	157	176	32	5	Sewell.
62nd " ..	540	14	157	171	31	5	Sussex.
63rd " ..	548	21	249	270	49	8	McNab's Island.
65th " ..	540	24	240	264	48	4	Murray Bay.
66th " ..	548	13	161	174	31	6	Aldershot.
72nd " ..	540	24	243	267	48	5	Sidney.
79th " ..	540	20	184	204	37	5	Sewell.
84th " ..	302	15	207	222	73	4	Three Rivers.
88th " ..	540	22	117	139	25	5	Sidney.
90th " ..	548	20	304	324	59	5	Sewell.
91st " ..	540	16	201	217	40	5	Niagara.
95th " ..	540	20	178	198	36	5	Sewell.
96th " ..	540	19	238	257	47	5	"
99th " ..	422	19	163	182	33	5	"
100th " ..	540	22	228	250	46	5	"
101st " ..	540	20	240	260	48	7	Calgary.
102nd " ..	481	15	111	126	26	5	Vernon.
103rd " ..	540	29	306	335	62	5	Calgary.
104th " ..	540	11	189	200	36	5	Sidney.
105th " ..	540	18	221	239	44	5	Sewell.
106th " ..	540	19	249	268	49	5	"
Total.....	23,670	770	8,194	8,964			

*Army Service Corps.*

Army Service Corps companies trained in their respective areas.

In camp, they are required to assist in administrative (supply and transport) duties; and it is difficult, in the short time available, to fit them for the work which, as mobile field units, they would be required to perform on active service.

*Medical Services.*

Field ambulances trained with their respective divisions; cavalry field ambulances with their respective mounted brigades. Medical units from the 2nd and 4th Divisional Areas did particularly good work in conjunction with other troops.

The prizes offered by the Association of Officers of the Medical Services act as powerful incentives towards the attainment of efficiency.



A number of regiments failed to meet requirements so far as their stretcher bearers were concerned; but the coming season, it is hoped, will show an improvement in this respect.

Musketry.

During the season of 1913, training was carried out along the usual lines; interest in musketry has been well maintained, and the results on the whole are encouraging. By this time the necessity for preliminary instruction is generally recognized; and in the camps, as well as at regimental headquarters, conditions are improving.

Interest was stimulated by awarding individual prizes of \$3 and \$2 respectively to the best and second best shot in each squadron and company.

As in other years, the large percentage of recruits requiring elementary instruction prevented anything in the nature of advanced training. In most of the camps there was no range practice at distances beyond 200 yards. This is unsatisfactory; but unless the period of training is extended, and until more ranges are available, it will be hard to raise the standard of efficiency.

During the year, target practice rods have been added to the equipment, and have been found most useful in the training of recruits.

Increased target accommodation is urgently required at most of the camps of instruction—particularly at Sussex, Lévis, Niagara, London, and Calgary; and at each of the last two places the distance of the ranges from the camp entails the loss of a great deal of valuable time.

In addition to the above, more targets are required at Halifax and Montreal; while the means of transportation to the ranges at Winnipeg are so inconvenient as to discourage a large number of the local militiamen from attending.

On the other hand, shooting with gallery or .22 ammunition is becoming increasingly popular; and the erection of armouries, affording facilities for indoor target practice, will have a good effect.

Provision has been made for 1914-15 whereby recruits in the first year of training may qualify for efficiency pay on indoor ranges. This concession, it is hoped, will increase the percentage of men exercised in musketry, a percentage which in the case of units training at local headquarters, is often far too low.

The value of landscape targets is gradually being better understood; and from their more extended use, good results may be anticipated.

During 1912-13, exclusive of the Permanent Force, 26,168 men were exercised in musketry—a total which in 1913-14 has been raised to 31,661.

Record attendances at the meetings of the Provincial and Dominion Rifle Associations go to prove that interest in rifle shooting is increasing.

Sixty-two rifle associations (military and civilian) were organized during the year, and 78 were disbanded—a decrease of 16; but there has been an increase in membership of 308. The figures for March 31, 1914, were:—

Rifle Associations.	Number.	Memberships.
Military.....	166	24,903
Civilian.....	417	23,884
Total.....	583	48,787

Signalling.

At the annual camps the Canadian Signal Corps, with few exceptions, proved its value, not only by providing means of inter-communication but by furnishing assistant instructors for the Cavalry, Artillery, and Infantry.



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The sections of the Canadian Signal Corps most to be commended are (in order of merit) the following:—

- No. 6 Signal Company, No. 2 Section, St. John, N.B.
- No. 3 Signal Company, No. 3 Section, Ottawa, Ont.
- No. 11 Independent Section, Victoria, B.C.
- No. 6 Signal Company, No. 4 Section, Charlottetown, P.E.I.

As to regimental signallers, good progress has been made: especially in the case of rural corps which, as regards annual inspections in signalling, are now on the same footing as city corps.

Regimental officers are taking an increased amount of interest in the subject, with the result that their signalling sections are more complete, more carefully selected, more intelligently trained; and, with the co-operation of divisional and district commanders, still further improvement may be expected.

In the Cavalry, good work has been done, the following regiments deserving special mention: 31st British Columbia Horse, 19th Alberta Dragoons, 5th Princess Louise Dragoon Guards, 30th British Columbia Horse, 4th Hussars.

In the Artillery, as a whole, there has been a marked improvement, but there are battery commanders who still exercise too little care in the selection of their signallers.

In the Infantry, the results obtained are very encouraging. The following are the regiments (arranged in order of merit) which have most distinguished themselves:—

- 21st Essex Fusiliers.
- 59th Stormont and Glengarry Regiment.
- 72nd Seaforth Highlanders of Canada
- 22nd Oxford Rifles.
- 77th Wentworth Regiment.
- 63rd Halifax Rifles.
- 82nd Abegweit Light Infantry.
- 38th Dufferin Rifles of Canada.
- 91st Canadian Highlanders.
- 13th Royal Regiment.

The following table shows by Divisional Areas and Military Districts the classification of signallers inspected during the year:—

Divisional Area or Military District.	1st Class.	2nd Class.	Training.	Total.
1st Divisional Area . . . . .	40	18	49	107
2nd " " . . . . .	64	38	94	196
3rd " " . . . . .	43	19	125	187
4th " " . . . . .	21	17	94	132
5th " " . . . . .	5	9	60	74
6th " " . . . . .	109	27	154	290
Military District No. 10 . . . . .	19	23	108	150
" " " 11 . . . . .	27	19	17	63
" " " 13 . . . . .	16	4	21	41
Total . . . . .	344	174	722	1,240



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## EDUCATION.

## OFFICERS.

*Instruction in England—*

The following officers of the Permanent Force attended Instructional Courses in England:

## Staff College—

Major E. de B. Panet, Royal Canadian Artillery.

Captain F. S. Morrison, Royal Canadian Dragoons.

“ J. H. MacBrien, Royal Canadian Regiment.

“ A. H. Borden, Royal Canadian Regiment.

“ J. S. Brown, Royal Canadian Regiment.

## Ordnance College—

Lieutenant E. J. Renaud, Canadian Ordnance Corps.

## Gunnery Staff Course—

Captain W. H. P. Elkins, Royal Canadian Artillery.

“ G. S. Browne, Royal Canadian Artillery.

Lieutenant H. R. N. Cobbett, Royal Canadian Artillery.

## School of Military Engineering—

Lieutenant A. G. Lawson, Royal Canadian Engineers.

“ K. Stuart, Royal Canadian Engineers.

“ F. R. Henshaw, Royal Canadian Engineers.

“ G. H. Shaw, Royal Canadian Engineers.

“ W. M. Miller, Royal Canadian Engineers.

“ F. M. Hutchinson, Royal Canadian Engineers.

“ J. P. Edwards, Royal Canadian Engineers.

“ D. H. Williams, Royal Canadian Engineers.

“ H. St. G. Bond, Royal Canadian Engineers.

## Attachments—

Lieut.-Colonel A. C. Macdonell, D.S.O., Lord Strathcona's Horse (R.C.)

Captain W. T. Russell, Lord Strathcona's Horse, (R.C.)

Major H. T. Hughes, Royal Canadian Engineers.

Lieutenant A. G. Lawson, Royal Canadian Engineers.

“ K. Stuart, Royal Canadian Engineers.

“ F. R. Henshaw, Royal Canadian Engineers.

*Officers' Long Course—*

Ten officers attended at the Royal Military College the Long Course (7 months) which terminated in May, 1913, and the following received certificates:—

Captain D. C. Davis, 23rd Alberta Rangers.

Lieut. J. A. Critchley, 15th Light Horse.

“ H. R. Hendy, 9th Battery, Canadian Field Artillery.

“ G. L. P. Grant-Suttie, 36th Regiment.

“ A. H. W. Landon, 53rd Regiment.

“ G. E. Francklyn, 66th Regiment.

Five of them have since been granted commissions in the Permanent Force.

There were three officers attending the Long Course in progress at the end of the fiscal year.



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*Militia Staff Course—*

Twenty-one officers, all of whom had previously passed in the theoretical portion, successfully completed the practical portion of the Course in August, 1913—sixteen at the Royal Military College and five at Calgary.

Lectures in the theoretical portion of the Course were given at various centres during the winter of 1913-14. Eighty-three officers underwent instruction; seventy-two attended the examination; and forty-four passed.

*Artillery Staff Course—*

The Artillery Staff Course (1913), was attended by four officers of the Permanent Force and one officer of the Active (non-permanent) Militia.

One officer (of the Permanent Force) is attending the Course which is now in progress.

*Preparatory Course for the Staff College—*

This Course is held at the Royal Military College, Kingston, to prepare candidates for the Staff College entrance examination.

In 1913, it was attended by two officers (one of whom, Captain J. S. Brown, Royal Canadian Regiment, was admitted to the Staff College in January, 1914); and it is now being attended by two more prospective competitors—Major C. H. Hill, Royal Canadian Regiment and Captain H. C. Greer, Canadian Permanent Army Service Corps.

*Refresher Course—Permanent Force—*

The undermentioned officers went through this year's Refresher Course, held at the Royal Military College, Kingston, in conjunction with the Preparatory Course for the Staff College.

Major A. C. S. Hamilton-Gray, Royal Canadian Regiment.

“ A. H. Powell, Permanent Staff.

“ W. T. Lawless, Permanent Staff.

“ D. D. Young, Royal Canadian Dragoons.

Captain F. L. Cartwright, D.S.O., Lord Strathcona's Horse, (R.C.)

*Refresher Courses—Active (non-permanent) Militia—*

The object of these Courses, which are held at the various Permanent Schools of Instruction, is to afford cavalry, artillery, and infantry field officers, also brigade-majors and adjutants, an opportunity of bringing themselves up to date before the opening of the camps of instruction.

Twenty-two officers availed themselves of the opportunity and attended for a period of one week.

## EXAMINATIONS.

*Promotion Examinations—Permanent Staff and Permanent Force.—*

The examination of officers in the practical subjects required for promotion was carried out under divisional or district arrangements.

The semi-annual written examinations were held, as usual, in May and December; and forty-five candidates presented themselves for examination in one or more subjects or sub-heads.

*Literary Examination—*

Two candidates presented themselves for the Literary Examination, held in May, to qualify for appointment to the Permanent Force, but neither was successful.



*Royal Military College Entrance Examination—*

Of one hundred and fourteen competitors for the Royal Military College, Kingston, fifty succeeded in reaching the required standard and were admitted.

STAFF TOURS, WAR GAMES, ETC.

Staff tours, war games, and tactical exercises involving the employment of troops were carried out at various times and places, much to the advantage of all concerned, under arrangements made by divisional and district commanders.

PROVISIONAL SCHOOLS.

Seventy-four Provisional Schools (as under) were held at various centres for the qualification of officers and non-commissioned officers:—

Arms and Branches.	Eastern Canada.	Western Canada.	Total.
Cavalry . . . . .	2	6	8
Artillery.....	5	1	6
Engineers. . . . .	8	1	9
Infantry.....	26	9	35
Army Service Corps.....	7	.....	7
Army Medical Corps.....	6	2	8
Army Veterinary Corps.....	1	.....	1
Total.....	55	19	74

The foregoing Schools were attended by 615 officers and 1,614 non-commissioned officers.

REGIMENTAL CLASSES.

Regimental classes were held in the several Divisional Areas and Military Districts with a view to assisting officers, non-commissioned officers and men to obtain certificates of qualification, and as “brush-up” courses.

SCHOOL OF MUSKETRY.

Courses of from two to six weeks duration were carried out by the Canadian School of Musketry at London, Ottawa, and Halifax; and voluntary classes were held at Hamilton, Brantford, Peterborough, Ottawa and Montreal.

The above courses and classes were attended by 332 officers, cadet instructors and non-commissioned officers.

SCHOOL OF SIGNALLING.

A special course in signalling was held at Petawawa during July and August. It was attended by 31 officers and non-commissioned officers of the Active Militia (permanent and non-permanent) from all parts of the Dominion. The object of the course was to train officers and non-commissioned officers as instructors, and to afford them practical opportunities of studying the work which on active service would fall to the lot of signal units (troops and companies).

One or more classes were held for the benefit of the Active Militia, at each of the following stations:—

*1st Divisional Area.*—London, St. Thomas, Windsor, Galt, Chatham and Walkerton, Ont.

*2nd Divisional Area.*—Toronto, Hamilton, Brantford, St. Catharines, Elk Lake, Barrie, Niagara Falls, Parry Sound and Owen Sound, Ont.



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*3rd Divisional Area.*—Kingston, Ottawa, Port Hope, Peterborough, Belleville, and Lindsay, Ont.

*4th Divisional Area.*—Montreal, Que.

*5th Divisional Area.*—Quebec and St. Flavie, Que.

*6th Divisional Area.*—Halifax, Truro and Melvern Square, N.S.; St. John, Moncton, Florenceville, Cambellton, N.B.; Charlottetown and Little York, P.E.I.

*Military District No. 10.*—Winnipeg and Brandon, Man.; Port Arthur, Ont.; Regina, Saskatoon, and Prince Albert, Sask.

*Military District No. 11.*—Victoria, Vancouver, Vernon, Kamloops, B.C.

*Military District No. 13.*—Calgary, Lethbridge, and Pincher Creek, Alta.

For the benefit of cadets, classes were held at the following places:—

*Ontario.*—London, St. Thomas, Galt, Chatham, Walkerton, Toronto, Hamilton, Brantford, St. Catharines, Barrie, Niagara Falls, Owen Sound, Port Hope, Peterborough, Belleville, Lindsay, Trenton, Smith's Falls.

*Nova Scotia.*—Halifax, Truro.

*Prince Edward Island.*—Charlottetown.

*Manitoba.*—Brandon.

*Alberta.*—Calgary, Lethbridge, Pincher Creek.

CERTIFICATES.

The following tables show the number of certificates issued from all Schools of Instruction during the year:—











RETURN OF CERTIFICATES GRANTED BETWEEN APRIL 1, 1913, AND MARCH 31, 1914.

NON-COMMISSIONED OFFICERS AND CADETS.

Name of School.	Bombardiers.	Corporals.	Sergeants.	Staff-Sergeants.	TROOPERS AND ARTILLERY.				(Quartermaster-Sergeants and Artificers.	PHYSICAL TRAINING.				SIGNALLING.				MUSKETRY.				Total.
					Buglers.	Staff Course.	Equitation.	Caretakers.		Instructors.	"B."	Non-Commission'd Officers and Men.			Cadets.	Distinguished.	Musketry.	Regimental.	Maximum.			
												Asst. Instructors.	"A."	"B."						"A."	"B."	
Royal School of Cavalry, Toronto		11	32				1															
" " St. Jean, P.Q.		7	20				14															
" " Winnipeg		31	76	2	12		5	1	8													
Artillery, Quebec.	1	1	3		1		5	3														
" Kingston	20	29	20	3	7		3															
" Halifax	13	10	4																			
" Esquimalt.		3	9					12														
Infantry, London.		3	18		2																	
" Toronto		17	20																			
" Quebec			7																			
" Halifax			13		1																	
" Fredericton.		1	5																			
" Winnipeg		71	72		24				4													
" Esquimalt.		2	39	2																		
Provisional School of Cavalry		95	66																			
" Artillery	68	39	17	7																		
" Infantry		439	482																			
" Engineers.		8	40						20													
" Army Medical Corps		22	27	19					4													
" Army Service Corps		6	24	5																		
Schools of Signalling																						
" Musketry																						
Provisional School of Instruction, Halifax, A.M.C.		1	14	27																		
" " A.S.C.		13	4																			
Royal School of Engineers, Halifax		1	1	3																		
Normal and Public Schools																						
Totals	102	810	1033	68	60	8	41	4	36	60	7000	20	62	207	7	46	261	2	36	37	11 9911	



## SESSIONAL PAPER No. 35

## CANADIAN OFFICERS' TRAINING CORPS.

In regard to the organization of the Canadian Officers' Training Corps progress is being made. At the present time the number of contingents authorized is as follows:—

McGill University, Montreal, 2 Companies.  
Laval University, Montreal, 5 Companies.

## INSTRUCTIONAL CADRES.

The strength of the Instructional Cadres on March 31, 1914, was as follows:

	Non-commissioned Officers.	
Cavalry... ..	5	27
Engineers... ..	1	5
Infantry... ..	8	62

The work done by officers and non-commissioned officers continues to give the very best results.

## ORGANIZATION.

## NEW UNITS.

The following new units of the Active Militia, by branches of the service, were authorized during the period covered by this report:—

*Cavalry.*

6th Division:—

One Squadron, 36th P. E. I. Light Horse—"B" Squadron.

No. 10 Military District:—

One Squadron, 34th Fort Garry Horse—"C" Squadron.

*Artillery.*

4th Division:—

One Battery, Canadian Field Artillery—39th Battery, Canadian Field Artillery.

*Infantry.*

1st Division:—

Four Companies, 22nd Regiment (The Oxford Rifles)—"E," "F," "G" and "H" Companies.

29th Waterloo Regiment converted from a rural to a city corps.

2nd Division:—

One Regiment, 8 Companies—97th Regiment (Algonquin Rifles).

4th Division:—

Four Companies, 86th Three Rivers Regiment—"E," "F," "G" and "H" Companies.

Five Companies, Canadian Officers' Training Corps, Laval University.

5th Division:—

Machine Gun Detachment, 9th Regiment (Voltigeurs de Quebec).



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## 6th Division:—

One Regiment—68th Regiment.

## No. 10 Military District:—

99th Regiment, converted from a rural to a city corps.

## No. 11 Military District:—

One Regiment, 8 Companies—50th Regiment.

One Regiment, 8 Companies—11th Regiment (Irish Fusiliers of Canada).

Two Companies, 102nd Regiment (Rocky Mountain Rangers)—“E” and “F” Companies.

Three Companies, 104th Regiment (Westminster Fusiliers of Canada)—“F,” “G” and “H” Companies.

One Company, Independent Company of Sharpshooters.

Earl Grey's Own Rifles, converted into a four company city unit.

*Canadian Army Service Corps.*

## No. 10 Military District:—

One Company—No. 20 Company, Canadian Army Service Corps.

*Canadian Army Medical Corps.*

## 2nd Division:—

No. 1 General Hospital, converted into a Clearing Hospital.

## 5th Division:—

No. VII Cavalry Field Ambulance, converted into a Field Ambulance.

## 6th Division:—

No. 2 General Hospital, converted into a Clearing Hospital.

## DISBANDMENT.

The following units were disbanded:—

*Cavalry.*

## 1st Division:—

One squadron, 1st Hussars, on conversion from a four to a three squadron establishment—“C” Squadron.

One Squadron, 24th Regiment, (Grey's Horse), on conversion from a four to a three squadron establishment—“D” Squadron.

## 4th Division:—

One Squadron, 11th Hussars, on conversion from a four to a three squadron establishment—“D” Squadron.

## 6th Division:—

One Squadron, 8th Princess Louise's New Brunswick Hussars, on conversion from a four to a three squadron establishment—“A” Squadron.

## No. 10 Military District:—

One Squadron, 27th Light Horse—“C” Squadron.

## No. 13 Military District:—

One Squadron, 19th Alberta Dragoons, on conversion from a four to a three squadron establishment—“D” Squadron.



Artillery.

4th Division:—

Ammunition Park.

MISCELLANEOUS.

In addition to the above, the following changes in organization were also authorized:—

Army Medical Corps of Instruction were organized.

Canadian Signal Corps was reorganized.

Changes in Brigade organizations were made from time to time to meet the requirements of the service:—

Mounted Brigade Staff—Orderly officer and subordinate staff appointed permanently to Brigade headquarters, and not taken from Regimental establishments; also addition of 1 trumpeter.

7 Mounted Brigades=7 officers and 70 other ranks.

Infantry Brigade Staff—Orderly officer and subordinate staff appointed permanently to Brigade headquarters and not taken from Regimental establishments.

23 Infantry Brigades=23 officers and 161 other ranks.

PERMANENT FORCE AND STAFF.

PERMANENT FORCE.

During the year twenty-five officers were appointed to the several branches of the Permanent Staff and Force, as follows:—

Permanent Staff.. . . .	2
Royal Canadian Dragoons.. . . .	2
Lord Strathcona's Horse (R.C.).. . . .	3
Royal Canadian Artillery.. . . .	4
Royal Canadian Engineers.. . . .	1
Royal Canadian Regiment.. . . .	7
Canadian Permanent Army Service Corps.. . . .	3
Canadian Army Veterinary Corps.. . . .	1
Corps of Military Staff Clerks.. . . .	2
<hr/>	
Total.. . . .	25



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The following table shows the strength by Corps, of the Permanent Force, on March 31, 1914, including Non-Permanent Militia Officers attached for duty:—

Corps.	Officers.	Warrant Officers.	N. C. O's and men.	Total.
Royal Canadian Dragoons .....	11	2	174	187
" Instructional Cadre .....	2	2	16	20
Lord Strathcona's Horse (Royal Canadians) .....	11	1	93	105
" Instructional Cadre .....	1	1	7	9
Royal Canadian Horse Artillery .....	15	6	221	242
Royal Canadian Garrison Artillery .....	30	10	592	632
Royal Canadian Engineers .....	26	10	261	297
Royal Canadian Regiment .....	33	1	655	689
" Instructional Cadre .....	6	5	57	68
Canadian Permanent Army Service Corps .....	16	3	119	138
Permanent Army Medical Corps .....	26	2	72	100
Canadian Permanent Army Veterinary Corps .....	3	1	4	8
Canadian Ordnance Corps .....	26	22	235	283
Canadian Army Pay Corps .....	15	5	33	53
Corps of Military Staff Clerks .....	4	8	54	66
" (Orderly Service, Section "B") .....	...	...	15	15
Physical Training Instructors .....	...	...	12	12
Musketry Staff .....	...	3	1	4
Signalling Staff .....	...	2	6	8
Militia Officers attached for duty .....	13	...	...	13
Officers and N. C. O's in England and abroad .....	15	...	16	31
Officers and N. C. O's on loan from British Army .....	7	...	13	20
	260	84	2,656	3,000

The following table shows the strength of the Permanent Force by stations, on March 31, 1914, including Non-Permanent Militia Officers attached for duty:—

Station.	Officers.	Warrant Officers.	N. C. O's and men.	Total.
London .....	11	4	85	100
Toronto .....	24	9	274	307
Kingston .....	31	10	293	334
Ottawa .....	20	11	126	157
Montreal .....	8	5	36	49
St. Jean, P.Q. ....	10	1	92	103
Quebec .....	29	10	308	347
Halifax .....	72	18	1,075	1,165
Fredericton .....	3	1	49	53
St. John, N.B. ....	1	1	8	10
Winnipeg .....	24	3	136	163
Esquimalt .....	9	10	134	153
Calgary .....	3	1	24	28
In England and abroad .....	15	...	16	31
Totals .....	260	84	2,656	3,000



The following table shows the changes in strength of the Permanent Force from April 1, 1913, to March 31, 1914: —

CORPS.	Officers and Warrant Officers effective 1-4-13.	N.C.O.'s and Men effective 1-4-13.	INCREASES DURING YEAR.			DECREASES DURING THE YEAR.												Officers, Warrant Officers, N.C.O.'s and men effective 31-3-14.								
			Transfers from other Corps.	Enlisted.	Re-enlisted.	Rejoined from desert.	DISCHARGES.						By Purchase.	Time expired.	Unsuitable.	Misconduct.	Medically unfit.		Other causes.	Deserted.	Died.	Transfers to other Corps, etc.	Promotions to Warrant Rank.	Officers.	Warrant Officers.	N.C.O.'s and Men.
Royal Canadian Dragoons	11	176	5	107	4	15	26	21	15	17	3	2	32		16	1						11			174	
" " Instructional Cadre.		14	4				1								1							2			16	
Lord Strathcona's Horse (R.C.).	10	96		43	6	2	19	7	5	8			11		3							11			93	
" " Instructional Cadre.	2	6						1														1			4	
Royal Canadian Horse Artillery.	23	222	3	72	6	9	19	10	9	3			41		8							13			221	
Royal Canadian Garrison Artillery.	37	577		157	18	4	35	13	4	10	6	3	37		20	1						20			592	
Royal Canadian Engineers	31	223	1	104	3	5	17	6	2	10	4	1	13		24	1						26			261	
Royal Canadian Regiment	31	631	19	235	39	13	42	71	9	31	11	1	93		20	1						33			633	
" " Instructional Cadre.	14	58	6		1			1														6			57	
Canadian Permanent Army Service Corps.	16	121	5	46	3	1	10	15	8	3	1		11		7							16			119	
Permanent Army Medical Corps.	28	75	3	12	1	1	5	7	1	1			4		1							26			72	
Canadian Permanent Army Veterinary Corps	5	3	1																			3			4	
Canadian Ordnance Corps.	47	232	4	44	8	2	9	13	3	1	2	2	7		12							20			233	
Canadian Army Pay Corps	20	34	3	1			1	2	1	1					1							10			33	
Corps of Military Staff Clerks.	12	52	4	5			1	2		1					3							4			54	
" " (Orderly Service, Section "B")		15	1	5			1						1												15	
Physical Training Instructors		16	1					1							4										12	
Musketry Staff.	2	4	1																						4	
Signalling Staff	1	7																							6	
Militia Officers attached for duty	9																									
Officers and N.C.O.'s in England and abroad	19		16																			13			16	
Officers and N.C.O.'s on loan from British Army.	10	10	3																			7			13	
	328	2,572	82	831	89	52	186	198	57	85	27	9	250	18	131	9	230	84				250			2,536	
																									3,000	

The following officer, W.O.'s, N.C.O.'s and men of the Permanent Force are paid from votes other than Permanent Force Pay, and are not included in the above statement: 1 officer and 12 N.C.O.'s and men paid from R.M.C. (Riding Estab.); 3 warrant officers and 7 N.C.O.'s and men paid from R.M.C. Subj. Staff; 2 N.C.O.'s and men paid from Ordnance Arms, etc.; and 6 N.C.O.'s and men paid from Topographical Survey.

Average strength maintained during Financial Year 1913-14 was 2906.



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## PERMANENT STAFF.

The following are the changes in the personnel of the Permanent Staff at Militia Headquarters, and in the various Divisions and Districts:—

*Headquarters' Staff*—

The period of tenure of appointment of Major-General D. A. Macdonald, C.M.G., I.S.O., as Quartermaster-General, was further extended from November 15, 1913, to November 15, 1914.

The period of tenure of appointment of Major-General W. H. Cotton, as Inspector-General, was extended from December 1, 1913, to March 31, 1914.

Major-General W. H. Cotton vacated the appointment of Inspector-General, March 31, 1914.

Colonel W. G. Gwatkin vacated the appointment of General Staff Officer for Mobilization, and was appointed Chief of the General Staff, *vice* Major-General C. J. Mackenzie, C.B., who resigned his temporary commission in the Canadian Militia, November 1, 1913.

Colonel Henry Smith, Judge Advocate General, was graded as an Administrative Staff Officer, 1st Grade, while holding his present appointment, June 1, 1913. (General Order 103-1913.)

Colonel J. C. MacDougall, Permanent Staff, was graded as a Director, while employed at Militia Headquarters, as Assistant to the Judge Advocate General, from April 1, 1913. (General Order 90-1913.)

The period of tenure of appointment of Colonel J. L. Biggar, Canadian Permanent Army Service Corps, as Director of Supplies and Transport, was further extended from December 1, 1913, to November 30, 1914.

Lieut.-Colonel G. S. Maunsell, Royal Canadian Engineers, was appointed Director-General Engineer Services, April 1, 1913.

The period of tenure of appointment of Lieut.-Colonel H. E. Burstall, A.D.C., Royal Canadian Artillery, as Inspector of Artillery (Horse, Field, and Heavy), was extended from April 1, 1914, to April 1, 1915.

Lieut.-Colonel R. J. Gwynne, Active Militia, was confirmed in the appointment of Director of Cadet Services, from August 1, 1913. (General Order 143-1913.)

Lieut.-Colonel E. W. B. Morrison, D.S.O., Active Militia, Acting Director of Artillery, was confirmed in the appointment, and granted the rank of Lieut.-Colonel on the Permanent Staff, from March 1, 1913. (General Order 142-1913).

Major L. Drum, Permanent Army Medical Corps, was appointed Acting Deputy Director-General of Medical Services, August 19, 1913.

Major W. B. Anderson, Royal Canadian Engineers, vacated the appointment of Director of Military Training, October 1, 1913.

Major H. Kemmis-Betty, Royal Canadian Regiment, vacated the appointment of Assistant Adjutant-General, and was appointed Director of Military Training, October 1, 1913.

Major J. L. H. Bogart, Royal Canadian Engineers, vacated the appointment of Assistant Director-General of Engineer Services, December 15, 1913.

Major A. Z. Palmer, Royal Canadian Artillery, was appointed an Assistant Adjutant-General, November 1, 1913.

Captain E. E. Clarke, Permanent Staff, was appointed Assistant Director of Supplies and Transport, from April 1, 1913.

Captain G. C. W. Gordon-Hall, The King's Own (Yorkshire Light Infantry), Brevet Major, Canadian Militia, was appointed Director of Military Operations, October 21, 1913, *vice* Major G. Paley (Rifle Brigade). Brevet Lieut.-Colonel Canadian Militia, who resigned his temporary commission in the Canadian Militia, on the expiration of his period of employment under the Canadian Government.



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Captain S. H. Osler, Royal Canadian Engineers, was appointed Assistant Director-General of Engineer Services, December 15, 1913.

Captain G. T. Hamilton (Royal Field Artillery), Canadian Militia, was appointed Deputy Assistant Adjutant-General, November 1, 1913.

Captain Gordon Ogilvie (Royal Artillery), was appointed Inspector of Ammunition, in the Branch of the Master-General of the Ordnance, December 6, 1913.

Francis Logie Armstrong, Esquire, formerly a Major in the 21st "Westmount" Battery, Canadian Field Artillery, was appointed to the Permanent Staff, with the rank of Captain (subject to qualification) and employed in the Branch of the Adjutant-General, January 2, 1914.

Office Clerk and Honorary Lieutenant F. E. Davis, was transferred to the Permanent Staff, and retained in the Branch of the Chief of the General Staff.

*1st Division:*

Lieut.-Colonel C. W. Belton, Permanent Army Medical Corps, vacated the appointment of Assistant Director of Medical Services, August 1, 1913.

Major and Brevet Lieut.-Colonel A. H. Macdonell, D.S.O., Royal Canadian Regiment, vacated the appointment of Assistant Adjutant-General in charge of Administration, and was appointed General Staff Officer, 2nd Grade, October 21, 1913.

Major L. W. Shannon, Permanent Staff, vacated the appointment of Deputy Assistant Adjutant and Quartermaster-General, and was appointed Assistant Adjutant-General in charge of Administration, October 21, 1913.

Major E. C. Dean, Canadian Permanent Army Service Corps, vacated the appointment of Assistant Director of Supplies and Transport, September 15, 1913.

Captain G. C. W. Gordon Hall, The King's Own (Yorkshire Light Infantry), Brevet Major, Canadian Militia, vacated the appointment of General Staff Officer, 2nd Grade, on transfer to Militia Headquarters, October 21, 1913.

Captain F. B. Eaton, Canadian Permanent Army Service Corps, was appointed Assistant Director of Supplies and Transport, September 15, 1913.

Captain A. E. Snell, Permanent Army Medical Corps, was appointed Assistant Director of Medical Services, March 18, 1914.

Lieutenant F. O. Hodgins, Royal Canadian Engineers, was appointed Commanding Royal Canadian Engineer, from June 5, 1913.

*2nd Division:—*

Lieut.-Colonel J. A. Grant, Permanent Army Medical Corps, vacated the appointment of Assistant Director of Medical Services, on transfer to the 6th Division, May 1, 1913.

Lieut.-Colonel G. LaFayette Foster, Permanent Army Medical Corps, was appointed Assistant Director of Medical Services, May 1, 1913.

Lieut.-Colonel W. B. Hall, Canadian Permanent Army Veterinary Corps, vacated the appointment of Principal Veterinary Officer, December 31, 1913.

Lieut.-Colonel J. T. Fotheringham, Army Medical Corps, vacated the appointment of Deputy Assistant Director of Medical Services, on transfer to the Reserve of Officers, March 21, 1914.

Major J. H. Elmsley, Royal Canadian Dragoons, was advanced from General Staff Officer, 3rd Grade, to General Staff Officer, 2nd Grade, November 19, 1913.

Major C. C. Bennett, Permanent Staff, vacated the appointment of Deputy Assistant Adjutant and Quartermaster-General, on transfer to the 3rd Division, April 1, 1913.

Captain T. F. H. Dixon, Lord Strathcona's Horse (R.C.), was appointed Deputy Assistant Adjutant and Quartermaster-General, April 1, 1913.



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*3rd Division:*

Lieut.-Colonel J. Massie, Canadian Permanent Army Veterinary Corps, vacated the appointment of Principal Veterinary Officer, on retirement, December 31, 1913.

Major W. J. Neil, Canadian Permanent Army Veterinary Corps, was appointed Principal Veterinary Officer, January 16, 1914.

Major C. C. Bennett, Permanent Staff, was appointed Deputy Assistant Adjutant and Quartermaster-General, *vice* Captain E. E. Clarke April 1, 1913.

Captain E. E. Clarke, Permanent Staff, vacated the appointment of Deputy Assistant Adjutant and Quartermaster-General, on appointment to the Headquarters' Staff, April 1, 1913.

*4th Division:—*

Lieut.-Colonel C. E. English (Royal Garrison Artillery), Colonel, Canadian Militia, vacated the appointment of General Staff Officer, 2nd Grade, July 14, 1913.

Major A. H. Panet, Canadian Ordnance Corps, vacated the appointment of Senior Ordnance Officer, September 8, 1913.

Major W. B. Anderson, Royal Canadian Engineers, was appointed General Staff Officer, 2nd Grade, October 1, 1913.

Major L. LeDuc, Royal Canadian Regiment, was appointed Assistant Adjutant-General in charge of Administration, April 1, 1913.

Major W. F. C. Sullivan, Canadian Ordnance Corps, was appointed Senior Ordnance Officer, December 30, 1913.

Lieutenant W. G. Tyrrell (Royal Engineers), brevet Captain, Canadian Militia, vacated the appointment of Commanding Royal Canadian Engineer, on the expiration of his period of employment under the Canadian Government, September 17, 1913.

Lieutenant R. H. Irwin, Royal Canadian Engineers, was appointed Commanding Royal Canadian Engineer, from September 17, 1913.

*5th Division:—*

Major J. D. Doull, Royal Canadian Regiment, was appointed Assistant Adjutant-General in Charge of Administration, from April 1, 1913.

Major E. deB. Panet, Royal Canadian Artillery, was appointed General Staff Officer, 3rd Grade, January 9, 1914.

Major W. Robertson (Royal Engineers), Canadian Militia, vacated the appointment of General Staff Officer, 2nd Grade, on resignation of his temporary commission in the Canadian Militia, October 1, 1913.

Major G. B. Wright, Royal Canadian Engineers, was appointed Commanding Royal Canadian Engineer, June 5, 1913.

*6th Division.—*

Lieut.-Colonel J. A. Grant, Permanent Army Medical Corps, was appointed Assistant Director of Medical Services, *vice* Lieutenant-Colonel G. LaFayette Foster, May 1, 1913.

Lieut.-Colonel G. LaFayette Foster vacated the appointment of Assistant Director of Medical Services, on transfer to the 2nd Division, May 1, 1913.

Lieutenant-Colonel J. Houlston, Royal Canadian Engineers, was appointed Commanding Royal Canadian Engineer, June 5, 1913.

Major C. Vawdrey, (Army Service Corps), brevet Lieut.-Colonel, Canadian Militia, vacated the appointment of Assistant Director of Supplies and Transport, on resignation of his temporary commission in the Canadian Militia, October 14, 1913.

Major A. H. Panet, Canadian Ordnance Corps, was appointed Senior Ordnance Officer, September 8, 1913.



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Major S. S. Weatherbie, Canadian Ordnance Corps, vacated the appointment of Senior Ordnance Officer, September 8, 1913.

Major E. C. Dean, Canadian Permanent Army Service Corps, was appointed Assistant Director of Supplies and Transport, October 1, 1913.

Major P. S. Benoit, Royal Canadian Engineers, was appointed Staff Officer to Commanding Royal Canadian Engineers, *vice* Captain S. H. Osler, Royal Canadian Engineers, who vacated the appointment on transfer to Militia Headquarters, December 15, 1913.

*No. 10 Military District.—*

The period of tenure of appointment of Major F. L. Vaux, Permanent Army Medical Corps, as Assistant Director of Medical Services, was extended from May 1, 1913 to November 1, 1914.

The period of tenure of appointment of Major J. A. Hesketh, Corps of Guides, as District Intelligence Officer was further extended from February 22, 1914, to February 22, 1915.

Captain T. F. H. Dixon, Lord Strathcona's Horse (R.C.), vacated the appointment of District Staff Adjutant, on transfer to the 2nd Division, April 1, 1913.

Captain (temporary Major) W. T. Lawless, was appointed District Staff Adjutant, *vice* Captain T. F. H. Dixon, April 1, 1913.

*No. 11 Military District.—*

The period of tenure of appointment of Lieut.-Colonel H. Swinford, Canadian Army Service Corps, as Senior Army Service Corps Officer, was extended for one year from December 24, 1913.

The period of tenure of appointment of Major E. C. Hart, Permanent Army Medical Corps, as Assistant Director of Medical Services, was further extended from November 1, 1913, to November 1, 1914.

*Royal Military College.—*

Colonel J. H. V. Crowe vacated the appointment of Commandant, on the expiration of his tenure of appointment, October 11, 1913.

Lieut.-Colonel T. B. Wood (Royal Garrison Artillery), vacated the appointment of General Staff Officer, 2nd Grade, on the expiration of his tenure of appointment, March 31, 1914.

Lieut.-Colonel L. R. Carleton, D.S.O. (The Essex Regiment), Colonel, Canadian Militia, was appointed Commandant (General Staff Officer, 1st Grade), *vice* Colonel J. H. V. Crowe, November 29, 1913.

Major F. R. Sedgwick (Reserve of Officers, Royal Field Artillery), Canadian Militia, vacated the appointment of Professor of Artillery, Tactics, Reconnaissance and Military History, on completion of his period of employment under the Canadian Government, August 11, 1913.

Major J. P. Shine (Royal Marine Light Infantry), Canadian Militia, vacated the appointment of Professor of Military Topography, and Superintendent of Drill and Gymnastics, on completion of his period of employment under the Canadian Government, August 31, 1913.

Captain S. A. Thompson (Northamptonshire Regiment), Canadian Militia, was appointed Professor of Military Topography, and Superintendent of Drill and Gymnastics, *vice* Major J. P. Shine, August 6, 1913.

Captain P. A. Maldon (Royal Field Artillery), Canadian Militia, was appointed Professor of Artillery, Tactics, Reconnaissance and Military History, November 22, 1913.







## SESSIONAL PAPER No. 35

Regulations for the Equipment of the Canadian Militia, Part 2, Section 111, Engineers' Field Company, 1913.

Regulations for Cadet Corps, 1913, French.

Report on examination for admission to the Royal Military College, 1913.

Report of General Sir Ian Hamilton on the military institutions of Canada.

Regulations for the Canadian Officers' Training Corps, Provisional, 1913.

Militia Council Report, English, 1913.

" " French, 1913.

A Short Guide to the various ways of obtaining a commission in the Canadian Permanent Force, 1914.

Rifle and Musketry Exercises for the Ross Rifle, 1914.

Memorandum respecting Militia Main Estimates, 1914-15.

## MEDALS.

The number and description of medals issued during the twelve months ending March 31, 1914, were as follows:—

Colonial Auxiliary Forces Officers' Decorations.. . . .	34
Colonial Auxiliary Forces Long Service Medal.. . . .	228
Long Service and Good Conduct Medal.. . . .	35
General Service Medal.. . . .	271
Northwest, Canada.. . . .	7

## COURTS MARTIAL.

The number of non-commissioned officers and men tried by courts-martial during the year ending March 31, 1914, was 89.

## CADET SERVICES.

## NUMBER OF COMPANIES.

On April 1, 1913, the number of companies was 759 and the number of cadets 30,300, while, on March 31, 1914, the number of companies was 1,117 and the number of cadets 44,680, or an increase of 358 companies and 14,380 cadets during the year.

## TEACHERS WHO HAVE QUALIFIED.

During 1913, 316 male school teachers qualified as Cadet Instructors, and, in addition, 133 took the School of Musketry certificate.

## CADET SIGNALLING.

In addition to the Corps of School Cadet Instructors, who all have to qualify in elementary signalling, 27 Cadet classes were held last year, and 290 cadets obtained military signalling certificates.

## MUSKETRY.

In May, 1913, six Canadian cadets went to England and shot at the Imperial Cadet Rifle Meeting, and won a number of cups and trophies, including:—

1. The Duke of Wellington's Cup.
2. Grand Aggregate.



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3. Clementine Fessenden Cup and Gold Medal, won by Cadet Bradley of Quebec.
4. Bronze medallion of Lord Roberts, won by Cadet Huggins of Ottawa.
5. Bronze Medal, won by Cadet McNabb of Ottawa.

Each member of the team won a match rifle and gold medal for grand aggregate, competing against nine other teams.

During the Dominion of Canada Rifle Association Meeting in Ottawa, 1913, the Canadian Cadets won the Lord Roberts' Shield, defeating cadets from all parts of the British Empire. This Shield was presented by His Royal Highness The Governor General to Major-General The Honourable Sam Hughes, Minister of Militia and Defence at the annual meeting of the Dominion of Canada Rifle Association, in February, and, at the request of Major-General Hughes, is being kept at Government House by His Royal Highness The Governor General, for the year.

His Royal Highness at the same time also presented the medals to the two Ottawa Cadets, Huggins and McNabb, who were members of the Canadian team.

In August, 1913, ten cadets, representing the Mother Country, with two officers and a sergeant-major, visited Canada, as guests of the Dominion Government, and took part in the matches of the Dominion of Canada Rifle Association. They also visited Petawawa Military Camp, Niagara, and other places, as guests of the Canadian Government.

The Province of Alberta won the Governor General's Challenge Shield for the greatest number of cadets in the province, according to the school population.

#### PHYSICAL TRAINING.

At a special eight weeks' course at Toronto in 1913, fifty teachers qualified to become instructors of school teachers at Normal School centres, and, in addition, about 7,000 school teachers qualified for the "B" Grade, Physical Training Certificate to instruct children in school.

#### ARMAMENT.

##### HORSE AND FIELD ARTILLERY.

Progress has been made in the provision of the necessary guns and equipment to complete the Divisional organization recommended by Sir Ian Hamilton.

A number of machine guns are under order.

##### SMALL ARMS.

The output of rifles and bayonets by the Ross Rifle Factory has been satisfactory.

Fourteen hundred of the ten thousand .22 Cadet Ross Rifles ordered during the year have been completed. Nine hundred (900) were issued in lots of one hundred (100) each to the different Divisions and Districts for test and report, previous to the final approval of the pattern.

##### BRIGADE TELEPHONE EQUIPMENT.

After extensive tests a portable brigade telephone set has been adopted and a number ordered for the equipment of the Artillery Brigade Telephone wagons. Arrangements have also been made for the issue of portable telephone sets to all field artillery brigades and field batteries.



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## DOMINION ARSENAL.

Certain changes were made in the administration of the Dominion Arsenal.

The Mark VII. ammunition now being turned out is equal to the best British standard. Improvements have also been made in the manufacture of shells. A proof butt is being constructed for the testing of guns and cases up to six-inch. It is expected that the butt will be completed in the early summer.

## NEW DANGER BUILDINGS.

Steps are now being taken with a view to the construction of danger buildings of the most up-to-date type.

## VEHICLES AND STORES.

The customary inspection of vehicles and stores was made by the Inspector of Carriages during the year.

## ENGINEER SERVICES.

## GENERALLY.

In the various Divisional Areas and Military Districts, the existing drill halls, rifle ranges, camp grounds and other military properties, were repaired as far as funds allowed.

It is pointed out, however, that the funds available for maintenance and repairs are quite inadequate to keep these buildings, etc. in proper condition.

It must be realized that as the number of buildings, rifle ranges, and new works generally are added each year, a corresponding annual increase in the funds for maintenance is absolutely necessary.

## DRILL HALLS.

During the fiscal year 1913-14, the construction of drill halls for the accommodation of the Canadian Militia was a larger factor in the policy of the Department of Militia and Defence than at any previous time in the history of the department.

The policy of the department was to have certain standard designs for drill halls prepared and approved, so that, according to the size and requirements of the different places at which drill halls were to be constructed, each would be dealt with on an exactly equal footing. This policy has been found to work very satisfactorily.

The types of building were designed with a view to getting the greatest possible value out of the amount voted, at the same time conforming to the best type of building in the various towns to which drill halls were allotted.

The following drill halls were constructed or under construction by the Department of Militia and Defence during the year:—

Kincardine, Ont. -  
Mount Forest, Ont.  
Port Elgin, Ont.  
Markdale, Ont.  
Brampton, Ont.  
Lindsay, Ont.  
Nerwood, Ont.  
Millbrook, Ont.  
Orono, Ont.  
Alexandria, Ont.  
Kemptonville, Ont.  
Beauport, Que.  
Bury, Que.

Wingham, Ont.  
Watford, Ont.  
Oshawa, Ont.  
Simcoe, Ont.  
Orillia, Ont.  
Omamee, Ont.  
Picton, Ont.  
Madoc, Ont.  
Blackstock, Ont.  
Renfrew, Ont.  
Sherbrooke, Que.  
Montreal, Que.  
Montmagny, Que.



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Moosejaw, Sask.  
 Moosomin, Sask.  
 Maple Creek, Sask.  
 Indian Head, Sask.  
 Chilliwack, B.C.  
 Merritt, B.C.  
 Vegreville, Alta.

Grenfell, Sask.  
 Minnedosa, Man.  
 North Battleford, Sask.  
 Vernon, B.C.  
 Armstrong, B.C.  
 Enderby, B.C.  
 Red Deer, Alta.

The following drill halls and military buildings were constructed or under construction by the Department of Public Works during the year:—

St. John, N.B.—Drill hall.  
 Amherst, N.S.—Drill hall.  
 Quebec, Que.—Extension to drill hall.  
 Lévis, Que.—Armoury and gun shed.  
 Niagara Falls, Ont.—Armoury.  
 Kingston, Ont.—New dormitory, R.M.C.  
 Pembroke, Ont.—Drill hall.  
 Port Arthur, Ont.—Drill hall.  
 Winnipeg, Man.—Drill hall.  
 Edmonton, Alta.—Drill hall.  
 Victoria, B.C.—Drill hall.

#### RIFLE RANGES.

New rifle ranges are being built each year as rapidly as the acquisition of land for them will allow. It is evident that this becomes more difficult each year, as land increases in value in the vicinity of growing towns, and the area required for safety is now much greater owing to the increased range of modern rifles.

The following is a list of the rifle ranges constructed or repaired during the year:—

St. John, N.B.—Repairs.  
 Pointe-aux-Trembles, Que.—Completion of extension to range, 5 targets.  
 Lévis, Que.—Extension to range (600 x), 6 targets.  
 Three Rivers, Que.—Repairs to stop butt.  
 Toronto, Ont.—Addition to Long Branch rifle range, 40 targets.  
 Middleton, Ont.—New range, 3 targets.  
 Collingwood, Ont.—Construction of new range, 4 targets.  
 Windsor, Ont.—Completion of new range, 3 targets.  
 Peterborough, Ont.—Completion of new range, 9 targets.  
 Parry Sound, Ont.—Completion of new range, 5 targets.  
 Brockville, Ont.—Fencing and provision of well.  
 Kingston, Ont.—Extension of range, 9 targets.  
 Ottawa, Ont.—Construction, Connaught rifle range.  
 Winnipeg, Man.—Extension of range, 30 targets.  
 Armstrong, B.C.—Completion of range, 7 targets.  
 Victoria, B.C.—Survey and clearing.

#### LANDS ACQUIRED.

The following municipalities donated sites for drill halls during the year 1913-14:—

Barrie, Ont.  
 Blackstock, Ont.  
 Bowmanville, Ont.  
 Fort Frances, Ont.  
 Galt, Ont.  
 Haileybury, Ont.  
 Listowel, Ont.  
 Madoc, Ont.  
 Millbrook, Ont.  
 Napanee, Ont.

Alexandria, Ont.  
 Renfrew, Ont.  
 Stirling, Ont.  
 Wingham, Ont.  
 Estevan, Sask.  
 Indian Head, Sask.  
 Prince Albert, Sask.  
 Swift Current, Sask.  
 Red Deer, Alta.

The following drill hall sites were, also, donated by private individuals:—

Beauport, Que.—Donated by Messrs. J. E. Bedard and Edmond Giroux.  
 Montreal, Que.—Drill hall site, McGill University. Donated by Lord Strathcona.  
 Windsor, Ont.—Addition to Drill hall site. Donated by officers 21st Regiment.  
 Elbow River, Alta.—Donated by Major E. G. May.  
 Merritt, B.C.—Donated by Messrs. Derry, McCune & Leyrer.



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In addition to the drill hall sites donated as above, the following other properties were acquired during the year:—

Souris, P.E.I.—Rifle range site.  
 Summerside, P.E.I.—Rifle range site.  
 Sussex, N.B.—Drill hall site.  
 Woodstock, N.B.—Additional land, drill hall site.  
 Halifax, N.S.—Married quarters for N.C.O.'s.  
 Antigonish, N.S.—Drill hall site.  
 Truro, N.S.—Additional land, rifle range site.  
 Bury, Que.—Drill hall site.  
 Farnham, Que.—Additional land, camp site.  
 Montmagny, Que.—Drill hall site.  
 Montreal, Que.—Drill hall site. (1st Grenadier Guards of Canada).  
 Brantford, Ont.—Drill hall site.  
 Caledonia, Ont.—Drill hall site.  
 Ingersoll, Ont.—Drill hall site.  
 Omemee, Ont.—Additional land, drill hall site.  
 Orono, Ont.—Drill hall site.  
 Port Hope, Ont.—Drill hall site.  
 Uxbridge, Ont.—Rifle range site.  
 Watford, Ont.—Drill hall site. (Town contributed towards cost of site.)  
 St. James, Man.—Drill hall site.  
 Vancouver, B.C.—Drill hall site for University.

## SURVEYS.

## FIELD WORK.

The field work of the Survey Division was performed from April 22 to December 5, 1913 and from January 3 to March 29, 1914.

Two parties, of five men each, ran 978 miles of chained transit traverse, partly in the vicinity of Halifax and partly south of the St. Lawrence river between Montreal and Quebec, their periods of employment being equivalent to one party for  $35\frac{1}{2}$  weeks.

In the latter district two parties, of three men each, ran a total of 1,350 miles of secondary traverse, their period of employment being equivalent to one party for  $51\frac{1}{2}$  weeks, and a party of two traversed 40 miles of railway in  $15\frac{1}{2}$  weeks.

In the vicinity of Quebec one level party of two men, employed for  $20\frac{1}{2}$  weeks, ran 580 miles of levels.

## TOPOGRAPHY.

The topography, which was carried out during the summer in the Eastern Townships and along the St. Lawrence river, covered an area of 1,709 square miles. The topography of seven sheets of the regular series was completed.

Eighteen men in all were employed as topographers, viz.: two civil servants, nine non-commissioned officers and men of the Royal Engineers, five non-commissioned officers of the Royal Canadian Engineers and two temporary employees. A staff officer, with headquarters at Lennoxville, was in charge. The field sheets as completed were checked on the ground by an independent examiner, the result showing satisfactory work on the part of all topographers.

During the winter two parties, of five men each, were employed upon topography in the Halifax district, principally in mapping lakes. During their period of employment, equivalent to one party for 24 weeks, they covered an area of 310 square miles, and mapped the 249 lakes therein.

## LITHOGRAPHING AND PRINTING.

The lithographing and printing plant is now running and several maps have been reproduced.

During the year nineteen sheets of the 1 inch to 1 mile series were published. In all, seventy-three sheets of the 1 inch to 1 mile series covering an area of 23,417 square



miles, have now been completely surveyed. Of these, fifty-one have been published, five are in the hands of the lithographers in England, and seventeen are in course of preparation in the Survey Division. Four one-half inch to 1 mile sheets have also been published.

Twelve special maps, for use at camps of instruction and other purposes, were printed by the Survey Division, and 1,884 copies issued. Of the sheets of the regular 1 inch series, 583 were sold, and 3,698 were issued free; while of the one-half inch series, 73 were sold and 290 issued free, making for the year a total distribution of 6,528.

EXPENDITURE.

The financial statement (see Appropriation Account, Appendix A, statement No. 1, page 42) shows a total expenditure under Militia Votes for the year 1913-14 of \$10,966,561.91, an increase compared with the previous year of \$1,875,766, charged as follows:—

Annual training and cadet services.....	\$ 409,260
Construction, drill halls and rifle ranges.....	660,834
Ordnance, arms and equipment .....	514,095
Clothing, stores and sundry.....	291,577
Total .....	<u>\$1,875,766</u>

ANNUAL TRAINING.

Full particulars respecting Annual Training will be found in Appendix A, Statements Nos. 3 and 4, pages 45 and 46. The numbers trained totalled 57,527 all ranks, and 12,271 horses, the largest in any one year and exceeding the previous year by 9,314 men and 2,490 horses.

CADET CORPS.

The introduction of a grant of \$1 to each cadet provided with a serviceable uniform, accounts for an increase of \$21,407, and purchase of stores, etc., for use at camp, \$84,123.

ORDNANCE, ARMS, LANDS AND EQUIPMENT.

The expenditure under this vote was as follows:—

Ordnance and Inspection.. . . . .	\$ 589,256
Ross Rifles, Bayonets, Scabbards, Sights and Inspection.. . . .	640,613
Land for Rifle Ranges, etc.. . . . .	51,237
Stores.. . . . .	378,548
Saddlery and Harness.. . . . .	103,732
Clothing.. . . . .	217,419
Total.. . . . .	<u>\$ 1,980,805</u>

ENGINEER SERVICES AND WORKS.

The expenditure under this vote was as follows:—

Drill Halls and Armouries—

	Amount.
Alexandria, Ont.. . . . .	\$ 15,252 91
Armstrong, B.C.. . . . .	11,199 18
Beauport, Que.. . . . .	19,334 75
Blackstock, Ont.. . . . .	14,059 20
Brampton, Ont.. . . . .	7,637 28
Bury, Que.. . . . .	12,675 00
Chilliwack, B.C.. . . . .	13,499 30
Edmonton, Alta.. . . . .	5,705 50
Enderby, B.C.. . . . .	10,528 00
Indian Head, B.C.. . . . .	13,362 45



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	Amount.
Kemptville, Ont. . . . .	\$ 9,791 70
Kincardine, Ont. . . . .	7,484 94
Lindsay, Ont. . . . .	8,073 09
Madoc, Ont. . . . .	19,110 75
Maple Creek, Sask. . . . .	28,029 50
Markdale, Ont. . . . .	3,956 53
Meaford, Ont. . . . .	4,093 47
Millbrook, Ont. . . . .	10,684 10
Minnedosa, Man. . . . .	1,890 00
Montreal, Que., 1st Grenadier Guards. . . . .	136,475 50
Moosomin, Sask. . . . .	1,160 00
Norwood, Ont. . . . .	9,739 29
North Battleford, Sask. . . . .	28,948 00
Omeme, Ont. . . . .	4,391 00
Orillia, Ont. . . . .	1,271 48
Orono, Ont. . . . .	13,026 50
Oshawa, Ont. . . . .	8,447 70
Picton, Ont. . . . .	35,166 00
Red Deer, Alta. . . . .	27,201 25
Renfrew, Ont. . . . .	5,978 00
Sherbrooke, P.Q. . . . .	11,988 89
Simcoe, Ont. . . . .	13,762 10
Toronto, Ont. (repairs) . . . . .	15,409 46
Vegreville, Que. . . . .	10,121 26
Vernon, B.C. . . . .	15,004 00
Watford, Ont. . . . .	12,233 00
Wingham, Ont. . . . .	7,633 40
Total. . . . .	\$ 574,324 48

Rifle Ranges—

Connaught Ranges, Ottawa. . . . .	\$ 218,065 66
Brockville, Ont. . . . .	2,103 00
Collingwood, Ont. . . . .	9,732 71
Fort William, Ont. . . . .	683 00
Peterborough, Ont. . . . .	4,903 75
Toronto, Ont. (Long Branch) . . . . .	15,757 25
Victoria, B.C. . . . .	1,108 09
Winnipeg, Man. . . . .	27,368 68
Total. . . . .	\$ 279,722 14

Other Works—

Repairs and Alterations generally to Rifle Ranges, Drill Halls, Armouries, Barracks, Fortifications, etc. . . . .	\$ 448,476 36
New Dominion Arsenal Buildings. . . . .	41,875 03
New Gun Shed, Royal Military College. . . . .	25,271 18
Generally, Royal Military College. . . . .	16,465 49
New stables "B" Battery, Kingston. . . . .	25,127 25
Pointe à la Pêche Batteries. . . . .	12,031 58
Petawawa Camp. . . . .	29,435 06
Total. . . . .	\$ 598,681 95

Recapitulation—

Drill Halls and Armouries, Militia Votes. . . . .	\$ 574,324 48
Rifle Ranges, Militia Votes. . . . .	279,722 14
Other Works. . . . .	598,681 95
Total Engineer Services. . . . .	\$1,452,728 57

GENERALLY.

In addition to the foregoing expenditure an amount of \$221,849.09 has been expended by the Militia Department out of funds transferred from the Public Works Department, as follows:—

Fort William, Ont., Drill Hall. . . . .	\$ 71 04
Lindsay, Ont., Drill Hall . . . . .	35,044 00
Moosejaw, Sask., Drill Hall. . . . .	99,721 18



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Orillia, Ont., Drill Hall.. . . . .	27,193 30
Oshawa, Ont., Drill Hall.. . . . .	39,762 09
Picton, Ont., Drill Hall.. . . . .	19,949 00
Prince Albert, Sask., Drill hall.. . . . .	108 48
<b>Total.. . . . .</b>	<b>\$ 221,849 09</b>

The expenditure under other votes is practically the same as in the preceding year.

In Appendix A will be found Financial Statements.

## APPENDICES.

Appended are the following:—

Financial Statements for year 1913-14, Appendix "A."

Report of Director General of Medical Services for year 1913-14, Appendix "B."

Report of the Commandant of the Royal Military College for year 1914, Appendix "C."

Report of the Board of Visitors Royal Military College, 1914, Appendix "D."

Report of the Superintendent of the Dominion Arsenal, 1914, Appendix "E."

Report of the Inspector-General on the training of the Militia, 1913, Appendix "F."

E. F. JARVIS,  
*Secretary, Militia Council.*



APPENDIX A.  
FINANCIAL STATEMENTS.

The following are statements showing:—

1. Appropriation Accounts.
2. Allowances paid Active Militia.
3. Numbers trained during the year.
4. Annual Drill, Expenditure by Camps, etc.
5. Expenditure on Cadet Corps.
6. Expended for pay and supplies, Permanent Force, by Corps.
7.       “                   “                   “                   Stations.
8. Pay and allowances of Officers and Warrant Officers, Permanent Force, by Corps.
9. Pay and Allowances of Non-Commissioned Officers and men, Permanent Force, by Corps.
10. Pay and Allowances of Officers and Warrant Officers', Permanent Force, by Stations.
11. Pay and Allowances of Non-Commissioned Officers and men, Permanent Force, by Stations.
12. Expenditure, Schools of Instruction.
13. Comparative statement of expenditure for the past ten years.
14. Statement of Revenue received.



STATEMENT No. 1.

APPROPRIATION ACCOUNTS.—Militia and Defence, 1913-14.

Name of Grant.	Amount of Grant.	Expenditure.	Grant not used.	Grant exceeded.
	\$ cts.	\$ cts.	\$ cts.	\$ cts.
<i>Militia and Defence.</i>				
Allowances—Active Militia . . . . .	120,000 00	101,904 53	18,095 47	
Annual Drill . . . . .	1,830,000 00	1,830,034 30		34 30
Cadet Corps . . . . .	393,000 00	392,206 61	793 39	
Clothing . . . . .	700,000 00	699,571 92	428 08	
Contingencies . . . . .	52,870 00	49,956 73	2,913 27	
Customs Dues . . . . .	100,000 00	47,630 33	52,369 67	
Departmental Library . . . . .	1,000 00	1,055 42		55 42
Dominion Arsenal . . . . .	360 000 00	358,315 44	1,684 56	
Engineer Services and Works . . . . .	1,457,205 00	1,452,728 57	4,476 43	
Grants to Associations and Bands . . . . .	80,400 00	79,505 91	894 09	
Headquarters and Divisional Staffs . . . . .	205,500 00	197,774 34	7,725 66	
Maintenance—Military properties . . . . .	100,000 00	107,213 56		7,213 56a
Ordnance, Arms, Lands and Equipment . . . . .	1,980,865 00	1,980,804 80	60 20	
Permanent Force . . . . .	2,180,000 00	2,198,452 72		18,452 72b
Printing and Stationery . . . . .	70,000 00	72,208 59		2,208 59c
Royal Military College . . . . .	150,000 00	149,039 43	960 57	
Salaries and Wages . . . . .	198,000 00	197,823 24	176 76	
Schools of Instruction . . . . .	100,000 00	97,847 13	2,152 87	
Stores . . . . .	703,100 00	703,375 03		275 03
Survey . . . . .	40,000 00	39,058 52	941 48	
Transport and Freight . . . . .	200,000 00	199,247 03	752 97	
Training Areas . . . . .	260,000 00	6,508 14	193,491 86	
Remount Depots . . . . .	30,000 00		30,000 00	
Compensation to Mrs. Caroline Webster . . . . .	950 00	950 00		
" Summerside Rifle Range . . . . .	720 00	720 00		
Gratuities on Retirement . . . . .	1,670 00	629 62	1,040 38	
" to Mrs. May . . . . .	500 00	500 00		
" Mrs. Skinner . . . . .	500 00	500 00		
" Mrs. Harris . . . . .	500 00	500 00		
Compensation to Camille Chamberland . . . . .	500 00	500 00		
<i>Pensions.</i>	11,257,280 00	10,966,561 91	318,957 71	28,239 62
Fenian Raid 1866-70 . . . . .	1,850 00	1,788 11	61 89	
Rebellion 1885 . . . . .	17,000 00	17,833 70		833 70
Pensions Act 1901 (By Statute) . . . . .	70,939 54	70,939 54		
<i>Voted under Public Works Estimates and transferred for expenditure by Militia and Defence.</i>	89,789 54	90,561 35	61 89	833 70
Orillia Drill Hall . . . . .	30,000 00	27,193 30	2,806 70	
Lindsay " " . . . . .	35,000 00	35,044 00		44 00
Oshawa " " . . . . .	40,000 00	39,762 09	237 91	
Pictou " " . . . . .	20,000 00	19,949 00	51 00	
Prince Albert Drill Hall . . . . .	40,000 00	108 48	39,891 52	
Fort William " " . . . . .	30,000 00	71 04	29,928 96	
Mousejaw " " . . . . .	100,000 00	99,721 18	278 82	
<i>By Statute.</i>	295,000 00	221,849 09	73,194 91	44 00
Aid to Civil Power—				
Nanaimo . . . . .	187,660 95	187,660 95		
Sydney Mines . . . . .	196 10	196 10		
Pay of Chief of the General Staff, Inspector-General, Adjutant-General, Quartermaster-General, Master-General of the Ordnance, etc . . . . .	21,600 00	21,600 00		
<i>Special Accounts.</i>				
Toronto Barracks . . . . .	301,909 99	213,972 49	87,937 50	
Montreal " . . . . .	200,000 00	180,000 00	20,000 00	
Winnipeg " . . . . .	200,000 00	137,052 73	62,947 27	

(a) Due to the completion and occupation of a larger number of new drill halls during the year than was estimated for and consequently more fuel and light bills.

(b) Larger expenditure for lodging allowances especially at Winnipeg where, owing to the sale of the barracks, many of the troops had to be provided with rented quarters

(c) Owing to a large number of new corps having been formed, there was a large increase in the printing and stationery bills.



STATEMENT No. 2.

ALLOWANCES paid to the Active Militia in the various Divisions and Districts during Financial Year 1913-14.

Division or District.	Command Pay and Drill Instruction.		Care of Arms.		Postage.		Stationery.		Signallers and Trumpeters Gratuities.		Refund for Stores charged as deficient or returned.		Gross Amount.		Less Deductions and Deficiencies.		Net Expenditure.	
	%	cts.	%	cts.	%	cts.	%	cts.	%	cts.	%	cts.	%	cts.	%	cts.	%	cts.
1st Division	4,871	85	2,612	50	473	49	21	70	535	00	215	05	8,729	59	1,646	34	7,083	25
2nd "	13,564	70	6,986	66	1,205	00	94	45	893	00	942	46	23,692	27	3,336	63	20,355	64
3rd "	11,704	20	7,542	24	1,036	00	62	10	632	00	1,007	53	21,981	67	2,525	42	19,456	25
4th "	8,943	18	2,261	71	663	00	70	24	340	00	184	43	12,422	56	917	14	11,504	42
5th "	5,243	40	3,330	00	542	65	18	00	51	00	79	92	9,264	67	961	66	8,303	02
6th "	13,480	20	3,490	13	911	75	20	05	1,089	00	451	50	19,442	63	2,523	25	16,919	38
Military District No. 10	9,926	30	5,217	82	762	00	29	25	359	00	123	52	16,417	89	3,293	54	13,124	35
" " No. 11	2,834	40	1,029	58	278	75	2	80	604	00	.....	.....	4,796	02	273	34	4,523	68
" " No. 13	2,708	40	1,582	29	238	07	115	65	178	00	212	93	4,032	34	2,460	45	1,572	89
	73,326	63	34,052	93	6,110	71	436	79	4,638	00	3,323	34	121,528	40	19,273	57	102,254	83







3rd	91	1,370	1,461	16	72	1,234	1,306	43	19	136	155	3
6th	161	2,374	2,535	222	151	2,204	2,355	52	10	170	180	170
Military District No. 10	333	4,854	5,187	61	287	3,556	3,843	52	46	1,298	1,344	9
" " " " " "	169	2,419	2,588	31	114	1,405	1,519	15	55	1,014	1,020	16
" " " " " "	68	1,012	1,080	12	53	845	898	9	15	167	182	3
Local Headquarters	1,810	26,769	28,579	847	1,547	21,344	22,891	287	263	5,425	5,688	560
Camps.	3,805	42,222	46,027	16,197	2,753	31,883	34,636	11,984	1,052	10,330	11,391	4,213
Grand Total—Numbers Trained	5,615	68,991	74,606	17,044	4,300	53,227	57,527	12,271	1,315	15,764	17,079	4,773

- NOTE. 1. Authorized Establishments include the following Corps relieved from training: 33rd Hussars, 16th Battery Canadian Field Artillery, 2nd and 4th Field Troops Canadian Engineers, and 10th and 20th Regiments.
2. This return does not include Units authorized but not yet organized.
3. In addition to training at Local Headquarters, certain City Corps, Infantry, trained four or five days in Camps, as follows: Officers, 770, N.C.O.'s and Men, 8,194. These figures are not included under numbers at Camp, but are shown only under "Local Headquarters." Details, however, of City Corps trained in Camps are given on page 13.
4. All Corps training in Camp for more than eight days are shown under "Camp."



STATEMENT No. 1.  
Annual Drill Expenditure, 1913-14.

Camps, Etc.	NUMBERS TRAINED.			Pay and Allowances. \$ cts.	Rations, Forage and other Supplies. \$ cts.	Engineer Services. \$ cts.	Travelling Expenses. \$ cts.	Railway Transport and Cartage. \$ cts.	Miscellaneous. \$ cts.	Total. \$ cts.
	Officers.	N.C.O's and Men.	Total.							
Local Headquarters.										
1st Division	170	2,112	2,282	20,754 80						20,754 80
2nd "	262	3,940	4,202	56,003 85						56,003 85
3rd "	181	2,390	2,571	30,571 80						30,571 80
4th "	257	3,658	3,915	52,695 59						52,695 59
5th "	72	1,234	1,306	18,927 70						18,927 70
6th "	151	2,204	2,355	34,033 34						34,033 34
Military District No. 10	287	3,556	3,843	41,311 35						41,311 35
" No. 11	114	1,405	1,519	16,555 35						16,555 35
" No. 13	53	845	898	11,233 30						11,233 30
	1,547	21,344	22,891	282,087 08						282,087 08
Camps.										
London	194	2,026	2,220	46,677 51	8,652 69	3,234 97	115 07	124 00	1,903 87	60,708 14
Niagara	448	4,985	5,433	122,354 49	26,935 40	6,031 76	531 33	323 30	5,023 37	161,199 65
Barrie-Field	218	2,188	2,406	43,237 84	8,718 80	820 02	213 70	51 51	2,047 30	55,089 20
Petawawa	264	2,947	3,211	127,555 66	34,180 29	17,529 12	1,202 02	63 75	12,026 51	192,557 55
Three Rivers	129	1,523	1,652	33,869 16	8,766 34	2,397 28	538 96	94 80	911 75	46,578 29
Farnham	137	1,327	1,464	41,670 21	7,954 87	2,370 89	159 15	125 50	917 15	53,197 77
Chateauguay	5	49	54	1,185 40						1,185 40
Lévis	201	2,079	2,280	48,145 03	8,955 60	3,252 11	220 87	1 83	1,155 93	61,731 37
Sussex	202	2,732	2,934	60,414 38	12,527 36	939 47	292 34	206 95	1,225 60	75,600 10
Aldershot (June)	35	621	656	17,139 68	3,323 57	49 56	107 50	37 50	79 10	20,736 85
Aldershot (September)	234	2,964	3,198	57,509 65	12,370 83	193 35	318 64	23 00	466 00	70,881 47
Halifax	7	131	138	3,343 30						3,343 30
Charlottetown	53	656	709	14,510 82	68 03	128 10	126 65	149 25	603 00	15,585 85
Sawell	277	2,818	3,095	104,491 91	28,574 46	11,950 06	558 12	60 00	2,455 56	148,090 11
Battleford	31	279	310	8,646 64	2,132 21	415 79	128 75	43 00		11,366 39
Vernon	69	427	496	15,736 31	3,999 73	2,372 13	680 07	560 00	167 75	23,545 99
Esquimalt	34	359	393	12,965 63	3,289 49	1,780 50	31 75	822 00	165 00	19,054 37
North Vancouver	5	63	68	953 40	502 73					1,456 13
Calgary	155	1,519	1,674	53,628 85	14,694 72	1,376 13	457 02	1,071 80	1,080 00	72,308 52
	2,698	29,693	32,391	814,015 80	185,647 12	54,841 48	5,681 91	3,752 22	30,227 89	1,091,166 45



SESSIONAL PAPER No. 35

Miscellaneous.					
Tactical Field Days, etc. (a).					23,022 62
Compensation, Injuries to Horses and Men (b)					50,980 44
Permanent Force (c)					21,008 60
Washing (d)					18,607 15
Military Conference (1912-1913)					650 15
British Manoeuvres					21,659 93
Inspection, Sir Ian Hamilton International Horse Show, London, England					11,201 29
Chrysler's Farm Celebration.					1,382 76
Transport (e).				299,839 21	951 95
General (not traceable to any particular Camp).					299,839 21
					4,222 67
Recapitulation.					
					453,586 77
Local Headquarters					282,087 08
Camps					1,094,166 45
Permanent Force					453,586 77
Miscellaneous					1,829,840 30

NOTES. (a) Tactical Field Days, etc. (b) Compensation. (c) Permanent Force. (d) Washing. (e) Recalling of Troops.

	\$	cts	Men.	Horses.	Total.	\$	cts.		\$	cts.
1st Division. . . . .	5,889	49	318 50	1,433 65	1,752 15	1,356	63	London.	General, 1913 14.	214,879 10
2nd " . . . . .	3,450	76	3,735 40	15,082 60	18,818 00	2,480	25	Niagara . . . . .	1912 13.	1,003 28
3rd " . . . . .	8,360	22	334 75	156 40	491 15	1,674	70	Barnfield . . . . .	Potawawa, 1912 14	79,219 27
4th " . . . . .	588	82	533 30	1,578 00	2,111 30	1,766	84	Parnham . . . . .	1912 15	1,253 76
5th " . . . . .	993	25	620 60	1,661 20	1,681 80	892	00	Levis . . . . .	Chrysler's Farm, Cal.	1,380 82
6th " . . . . .	1,976	03	757 92	1,650 07	2,407 99	4,395	80	Aldershot . . . . .	Canadian	7,431 91
Military District No. 10.	1,095	38	2,499 85	2,267 40	4,767 25	2,658	87	Halifax . . . . .	Tecumseh	4,046 35
" No. 11.	410	47	267 10	150 00	417 10	716	80	Winnipeg . . . . .	1912 15	1,903 70
" No. 13.	258	20	1,781 10	2,030 15	3,811 25	1,510	46	Rockliffe . . . . .	1912 15	87 20
Potawawa Camp . . . . .			2,471 45	12,591 00	14,762 45	1,124	80	Long Branch . . . . .		124 95
								Pte Aux Trembles . . . . .		37 70
								Vancouver . . . . .		136 25
	23,022	62	13,639 97	37,910 47	50,980 44	18,007	15			21,008 60
										23,022 62

(f) Pay and allowances includes prizes awarded for efficiency at Musketry Practice, \$1,996.

(g) Miscellaneous includes payment to Military Movies Company, \$7,560.

(h) Expenditure at Camps includes cost of City Corps training for five days, but numbers trained are only shown under "Local Headquarters".



STATE

STATEMENT of Expenditure for Cadet

Division or District.	Organizers and Inspectors. Pay and Travelling Expenses.	Teachers and others qualifying, Pay, Bonuses and Travelling Expenses.	Permanent Force Instructors' Travelling Expenses.	Instruc-tional Allowance.	Grant towards upkeep of uniform.
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
1st Division	2,268 82	17,430 70	374 80	1,377 35	1,152 00
2nd "	4,562 47	30,559 87	531 95	5,238 61	5,399 55
3rd "	2,556 55	5,284 25	891 05	1,785 00	1,883 00
4th "	2,549 60	6,124 60	476 55	2,889 00	5,526 00
5th "	3,906 80	1,664 53	104 25	897 15	1,442 50
6th "	2,293 30	22,497 95	622 15	2,260 71	1,410 00
Military District No. 10	4,427 15	23,512 75	708 92	1,308 32	1,998 00
" " 11	3,306 90	8,420 95	703 35	719 55	777 00
" " 13	2,547 84	9,660 50	228 50	1,339 29	1,819 00
Headquarters	4,337 20	16,024 14	169 25	32 50	
School of Musketry, Rockcliffe		12,316 51			
Total	32,756 63	153,496 75	4,810 77	17,847 48	21,407 05

STATE

STATEMENT of Expenditure on Account of Pay, Provisions and

Division or District.	Pay and Allowances.	Food and Subsistence.	Water.	Fuel.	Light.	Forage and Shoeing.	Station Hospitals, Drugs, etc.
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
1st Division	69,473 41	2,673 32	408 89	2,538 92	1,089 42		120 90
2nd "	182,190 98	13,068 29	255 17	3,505 60	461 19	6,226 66	860 45
3rd "	197,789 32	14,505 91	1,446 93	5,844 26	3,708 41	21,425 40	1,338 56
4th "	107,363 06	4,841 28	1,975 56	2,925 84	1,507 70	5,894 64	626 97
5th "	213,115 54	9,604 40	2,753 00	15,470 92	4,285 65	4,855 17	1,278 33
6th "	550,714 92	72,452 77	4,693 69	32,639 55	10,635 45	2,900 96	7,575 92
Military District No. 10	107,456 46	11,980 85	809 44	4,027 80	505 82	7,795 26	601 05
" " No. 11	93,013 82	13,062 85	3,470 10	6,410 56	1,889 98	89 91	788 29
" " No. 13	28,797 57			531 92		395 64	
Headquarters	160,957 66	101 21			25 91		128 70
High Commissioner for Canada, England	46,837 28						
Total expenditure	1,757,740 02	142,290 88	15,812 78	73,895 37	24,109 53	49,583 64	13,319 17

NOTE.—Details of above are shown in the statements which follow.



## SESSIONAL PAPER No. 35

## MENT No. 5.

Corps for the Year ending March 31, 1914.

Caps, Badges, Belts and other Stores.	Travelling Expenses in connection with Strathcona Trust.	Railway Transport.	General.	Training in Camp.			Total Expenditure.
				Pay.	Supplies.	Wheeled Transport and Travelling.	
				1,520 83	1,990 10	79 36	26,193 96
	132 31		187 60	3,392 57	5,370 50	102 21	55,477 64
				2,428 83	1,417 46	107 50	16,353 64
			8 00	1,330 30	1,625 17	371 46	20,900 68
	5 75		82 00	191 25	166 10	76 75	8,537 08
				1,701 44	1,756 71	195 54	32,947 80
			390 65	4,044 43	1,245 12	889 45	38,524 79
				1,393 00	2,798 28	284 90	18,403 93
	12 70		101 50				15,709 33
92,908 38	89 58	30,994 14	2,286 06				146,841 25
							12,316 51
92,908 38	240 34	30,994 14	3,055 81	16,002 65	16,369 44	2,317 17	392,206 61

## MENT NO. 6.

Supplies of Permanent Force, for the Year ending March 31, 1914.

Veterin- ary Services and Drugs.	Printing, Stationery and Advertis- ing.	Purchase of Re- mounts.	Washing.	Con- servancy, Removal of Ashes, etc.	Grants to Messes, Bands and Libraries, including Purchase of Books.	Rent of Buildings.	Rent of Phones, Postage and General.	Total Expendi- ture.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
120 15	22 75		79 38	95 40	345 00		1,482 38	78,449 92
338 28	42 00	1,971 52	275 66	548 30	589 96	58 00	1,635 14	212,027 20
157 34	6 93	3,575 00	563 96	505 41	1,006 88	1,729 87	2,055 18	255,659 36
1,047 21	9 75	1,600 00	284 94	465 35	564 95		1,567 26	130,674 51
939 36	2 50	900 00	347 53	1,518 35	1,904 97	10 00	3,456 28	260,442 00
116 00	5 00	200 00	2,183 41	3,447 11	1,579 97	507 00	11,326 80	700,978 55
391 20	3 00	150 00	47 82	2,306 60	775 00	15,052 40	1,921 98	153,824 68
	8 00		361 98	1,121 73	695 00		1,770 31	122,712 53
					50 00	2,079 20	464 56	32,318 89
	41,673 02					180 00	1,070 99	204,137 49
	288 37						385 72	47,511 37
3,109 54	42,061 32	8,396 52	4,144 68	10,008 25	7,511 73	19,616 47	27,136 60	2,198,736 50



STATEMENT No. 7.

SHOWING Expenditure by Stations on Account of Pay, Allowances and Supplies for the Permanent Force, 1913-14

STATION.	Strength all ranks March 31, 1913.	Strength all ranks March 31, 1914.	Pay & allowances of officers and warrant officers.	Pay & allowances of N.C.O'S & men.	Cost of food, fuel & sun- dry supplies for mainte- nance.	Total cost.	
						\$	c.
London .....	94	100	\$ 23,761 11	\$ 46,220 71	\$ 8,976 51	\$	78,958 33
Toronto .....	325	307	63,117 03	119,398 19	29,836 22		212,351 44
Kingston ...	323	334	69,395 21	128,613 44	57,870 04		255,878 69
Ottawa .....	148	157	56,938 50	97,973 90			154,912 40
Montreal .....	50	49	27,555 68	31,964 26	23,311 45		131,368 68
St. Jean, P.Q. ....	100	103	14,537 23	34,000 00			
Quebec .....	364	347	68,693 31	143,911 35	47,326 46		259,931 12
Halifax .....	1,071	1,165	150,733 76	369,093 09	140,723 15		660,550 00
Fredericton .....	55	53	6,699 15	14,891 30	9,540 48		41,132 22
St. John, N.B. ....	11	10	3,177 04	6,824 25			
Winnipeg .....	162	163	43,338 65	64,875 78	46,368 22		154,582 65
Esquimaux .....	155	152	29,176 85	61,894 42	29,668 71		120,739 98
Vernon, B.C. ....	1	1	1,583 00				1,583 00
Calgary .....	22	28	9,251 15	19,535 29	3,521 32		32,307 76
Abroad .....	19	31	37,304 86	12,331 44	674 09		50,310 39
Miscellaneous .....				950 01	43,179 83		44,129 84
	2,900	3,000	\$605,262 53	\$1,152,477 49	\$440,996 48		\$2,198,736 50



STATEMENT NO. 8.

STATEMENT of Expenditure on account of Pay and Allowances of Officers and Warrant Officers of Permanent Force for the Year ending March 31, 1914. Details of Expenditure by Corps.

CORPS.	PAY.			ALLOWANCES.										Total Pay and Allowances.	Credit to Public and Revenue.	New Recruits.		
	Ordinary.	Abroad.	Lodging.	Rations.	Fuel.	Light.	Servant.	West ern.	Other.	Abroad.								
	%	cts.	%	cts.	%	cts.	%	cts.	%	cts.	%	cts.	%	cts.	%	cts.	%	cts.
Royal Canadian Dragoons	14,849 07	3,003 65	1,474 30	1,055 75	386 70	113 99				701 55	4,786 51	8,518 80	133 50	26,371 52	133 50	26,378 02		
Lord Strathcona's Horse (R.C.)	13,289 00		1,535 00	80 00	625 61	130 62		1,410 54		767 90		4,549 67	123 50	17,838 76	123 50	17,855 46		
Royal Canadian Horse Artillery.	28,954 59	2,477 72	4,520 45	1,733 56	1,228 00	363 66	75 31			102 19	1,828 21	9,851 38	119 62	41,983 69	119 62	41,194 67		
Royal Canadian Garrison Artillery.	56,654 97	1,753 75	5,180 31	3,542 50	1,365 62	686 36	76 00	622 57		1,211 01	1,898 06	14,582 43	228 94	72,991 15	228 94	72,762 21		
Royal Canadian Engineers.	49,515 65	7,477 30	7,775 18	2,781 49	2,115 42	728 49	2,999 18	662 28		1,325 98	8,456 96	26,844 98	308 57	83,837 93	308 57	83,799 56		
Royal Canadian Regiment.	42,120 93	1,187 47	2,962 40	2,863 00	750 70	633 34	121 50			1,999 27	1,973 65	11,303 26	136 93	54,611 60	136 93	54,475 43		
Canadian Permanent Army Service Corps.	29,101 74		5,520 95	1,785 75	1,474 13	456 62	933 75			802 50		10,975 50	174 40	40,675 24	174 40	39,000 78		
Permanent Army Medical Corps.	53,693 63		8,589 05	2,311 92	2,172 38	646 07	1,368 43	200 75		3,390 81		18,679 11	41 76	72,372 74	41 76	72,300 98		
Canadian Permanent Army Veterinary Corps	10,323 78		1,750 33	426 21	438 82	125 25	26 25	65 70		142 87		2,975 45	55 40	13,299 27	55 40	13,244 21		
Canadian Ordnance Corps	63,654 64	630 00	13,291 20	4,049 55	3,554 85	1,075 74	2,307 58	1,509 20		2,423 78	528 75	28,440 45	194 92	92,725 09	194 92	92,240 87		
Canadian Army Pay Corps	27,451 32		6,290 15	1,576 46	1,556 06	457 41	1,245 64	496 56		686 63		12,308 94	73 85	39,760 98	73 85	39,681 25		
Corps of Military Staff Clerks	11,409 53		2,702 85	1,091 87	840 50	240 52	341 15			252 18		5,469 07	29 83	16,878 65	29 83	16,848 75		
Instructional Cadre	17,785 24	641 62	2,942 90	1,438 96	802 26	234 40	383 21	288 72		864 37	787 50	7,742 32	73 56	26,169 18	73 56	26,000 62		
School of Signalling	2,378 70		324 20	128 90	99 15	28 35				28 35		608 93		2,987 65		2,987 65		
School of Musketry	2,886 98		829 70	341 39	262 43	75 01				161 05		1,669 58		4,666 66		4,666 66		
Miscellaneous	939 50			91 25						536 75		638 00	21 37	1,667 50	21 37	1,646 13		
Totals	425,009 36	17,171 51	65,688 97	25,298 56	17,672 63	5,995 86	9,877 50	3,256 32	15,096 99	20,259 04	165,145 87	607,326 74	2,064 21	655,262 43	2,064 21	655,262 43		



STATEMENT No. 9.

STATEMENT of Expenditure on Account of Pay and Allowances of N.C.O.'s and Men of Permanent Force for the Year ending March 31, 1914. Details of Expenditure by Corps.

CORPS.	PAY.					Total Pay. \$ cts.	Total Allowances. \$ cts.	Total Pay and Allowances. \$ cts.	Deduct charges credited to Public. \$ cts.	Net Expenditure. \$ cts.
	Regimental Pay. \$ cts.	Deferred Pay. \$ cts.	Proficiency, Artillery, Engineer & Corps Pay. \$ cts.	Extra Duty Pay. \$ cts.	Other Credits. \$ cts.					
Royal Canadian Dragoons .....	40,445 27	1,603 01	1,448 65	1,233 80	104 01	44,834 74	9,685 25	54,519 99	2,144 31	52,375 68
Royal Canadian Dragoons, Instructional Cadre.....	7,091 90	23 96	521 50	15 75	.....	7,653 11	3,849 50	11,502 61	51 57	11,451 04
Lord Strathcona's Horse (R.C.).....	23,192 61	588 26	880 65	988 35	42 98	25,692 80	6,954 28	32,647 08	1,617 65	31,029 43
Lord Strathcona's Horse (R.C.), Instructional Cadre.....	3,588 60	22 48	255 90	.....	2 43	3,869 41	1,996 75	5,866 16	15 21	5,850 95
Royal Canadian Horse Artillery.....	62,383 54	2,054 40	5,434 15	1,101 85	53 25	71,027 19	15,743 85	86,771 04	2,234 11	84,536 93
Royal Canadian Garrison Artillery.....	154,500 40	5,311 37	17,971 24	5,655 70	215 18	183,653 89	30,082 34	213,736 23	2,986 66	210,749 57
Royal Canadian Engineers.....	74,429 99	805 00	26,562 45	839 50	143 01	102,799 95	23,349 77	126,149 72	2,285 76	123,863 96
Royal Canadian Regiment.....	156,126 79	6,743 79	7,506 80	4,835 19	189 48	175,402 05	20,038 77	195,440 82	6,396 73	189,044 09
Royal Canadian Regiment, Instructional Cadre.....	29,919 05	86 71	1,766 85	565 65	2 20	32,340 46	15,957 10	48,297 56	97 33	48,200 23
Canadian Permanent Army Service Corps.	34,791 14	1,152 56	9,863 90	196 16	22 31	46,026 07	12,732 03	58,758 10	843 49	57,914 61
Permanent Army Medical Corps.....	25,097 01	651 12	5,215 95	693 60	5 16	31,662 84	13,055 01	44,717 85	304 78	44,413 07
Canadian Permanent Army Veterinary Corps .....	1,916 05	.....	302 55	.....	.....	2,218 60	1,363 84	3,582 44	32 84	3,549 60
Canadian Ordnance Corps .....	80,961 12	2,519 95	18,769 40	859 05	42 47	103,151 99	69,450 89	172,602 88	1,165 82	171,437 06
Canadian Army Pay Corps.....	15,448 45	104 59	4,112 10	269 00	2 97	19,928 11	13,476 07	33,404 18	56 78	33,347 40
Corps of Military Staff Clerks.....	27,621 55	51 29	.....	517 00	.....	28,189 84	19,628 57	47,818 41	89 37	47,729 04
Corps of Military Staff Clerks, (Section "B")	6,029 60	154 33	13 65	3 10	.....	6,200 68	4,898 55	11,099 23	18 67	11,080 56
Physical Training Instructors.....	6,907 10	64 54	492 30	67 50	.....	7,531 44	4,128 33	11,659 77	51 40	11,608 37
Musketry Staff.....	1,997 10	.....	24 40	.....	.....	2,021 50	1,099 07	3,120 57	69	3,119 88
Signalling Staff.....	2,991 80	21 84	252 10	.....	9 10	3,274 84	1,514 43	4,789 27	55	4,788 72
Miscellaneous .....	.....	.....	.....	5,437 29	.....	5,437 29	.....	5,437 29	.....	5,437 29
Contributions Pension Fund, N.C.O's & Men on Loan.....	950 01	.....	.....	.....	.....	1,950 01	.....	950 01	.....	950 01
	756,389 08	21,959 20	101,394 54	23,289 49	834 50	903,866 81	269,004 40	1,172,871 21	20,393 72	1,152,477 49

<sup>1</sup> Extra Duty Pay of Military Working Parties at the various Stations.  
<sup>2</sup> Contributions by Dominion Government towards Pension Fund of N.C.O's and Men of the Regular Army on loan in Canada.



STATEMENT No. 10.

STATEMENT of Expenditure on account of Pay and Allowances of Officers and Warrant Officers of Permanent Force for the Year ending March 31, 1914. Details of Expenditure at each Station.

STATION.	PAY.		ALLOWANCES.										Total Pay and Allowances.	Cost to Public and Revenues.	Net Expend.												
	Ordinary.	Abroad.	Lodging.	Rations.	Fuel.	Light.	Servant.	Western.	Other.	Abroad.																	
											%	cts.	%	cts.	%	cts.	%	cts.	%	cts.	%	cts.	%	cts.			
London, Ont.	17,328	04		2,598	35	1,179	75	707	91	235	35	451	75	1,352	79		23,533	94	92	5	23,711	41					
Toronto	45,767	57		8,305	80	2,923	50	2,229	65	660	80	1,135	95	2,156	91		63,180	48	65	49	63,117	45					
Kingston	51,594	87		9,857	49	3,269	00	2,618	10	778	46	736	00	814	02		62,067	70	97	49	62,185	21					
Ottawa.	39,664	06		8,461	52	2,681	62	2,300	31	675	89	1,952	27	1,332	35		57,008	65	129	5	57,055	59					
Montreal	19,304	94		4,236	99	1,121	02	1,042	41	311	69	667	15	922	15		27,006	25	50	45	27,031	39					
St. Jean, P.Q.	12,541	55		730	08	845	42	214	98	54	96	83	38	200	00		14,670	52	133	14	14,781	23					
Quebec.	53,867	08		6,979	75	3,495	25	2,028	25	639	97	998	70	919	99		68,929	65	95	74	69,053	31					
Halifax	118,056	44		13,928	75	7,366	50	3,777	74	1,836	24	2,223	70	4,091	46		151,220	85	517	10	151,536	79					
Fredericton.	5,905	33		25	75	346	25			65	93			362	39		6,700	42	9	41	6,699	46					
St. John, N.B.	2,600	20		182	40	167	25	100	34	16	68	91	25	45	68		3,294	28	37	75	3,175	41					
Winnipeg.	29,690	17		5,839	69	924	50	1,834	48	363	71	789	20	1,461	95		43,620	52	93	79	43,548	57					
Esquimaux	22,358	36		2,418	98	553	75	240	70	243	61	510	25	885	00		24,220	49	74	101	24,170	53					
Vernon.	912	50		360	00	91	00	70	00	20	00			20	00		1,785	00			1,785	00					
Calgary.	5,418	25		1,760	66	333	75	507	73	92	57	237	60	531	20		9,101	91	60	74	9,091	15					
England																											
India.																											
Australia																											
Abroad	17,171	51															20,259	04	12	69	20,304	80					
	425,009	36	17,171	51	65,688	97	25,298	56	17,672	63	5,995	86	9,877	50	15,096	99	20,259	04	155,147	87	607,323	44	2,064	21	607,323	44	



STATEMENT No. 11.

STATEMENT of Expenditure on account of Pay and Allowances of N.C.O.'s and Men of Permanent Force for the Year ending March 31, 1914. Details of Expenditure at each Station.

STATION.	ALLOWANCES.					Total Pay.	Total Allowances.					Total Pay and Allowances.	Deduct charges credited to Public.	Net Expenditure.
	Lodging.	Ration.	Fuel.	Light.	Special Western.		Other.	Allowances.	Pay and Allowances.					
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
London, Ont.	33,361 87	5,769 43	3,876 75	703 93		872 41	13,631 15	46,993 02	772 31	46,220 71				
Toronto	91,742 44	12,670 75	7,910 25	1,549 22		2,639 71	30,016 14	121,758 58	2,360 39	119,398 19				
Kingston	100,975 73	12,861 95	8,844 55	1,642 98		1,538 89	30,174 71	131,150 47	2,337 03	128,813 44				
Ottawa	57,475 90	17,016 95	11,827 30	2,424 76		2,928 26	40,863 09	98,338 99	355 09	97,983 90				
Montreal	19,387 87	5,543 65	3,277 25	681 03		924 51	12,730 81	32,118 68	154 42	31,964 26				
St. Jean, P.Q.	27,447 00	2,798 25	2,778 20	348 18		468 14	7,837 43	35,284 43	1,284 37	34,000 06				
Quebec	108,476 64	13,374 80	15,762 80	1,698 25		1,620 93	38,001 33	146,477 97	2,566 62	143,911 35				
Halifax	326,867 46	20,206 48	15,435 00	2,472 37		2,306 52	49,006 69	375,874 15	6,781 06	369,093 09				
St. John, N.B.	4,182 85	1,140 60	736 50	140 68		193 91	2,674 69	6,857 54	33 29	6,824 25				
Fredericton	14,138 03		1,321 25			44 53	1,365 78	15,503 81	612 51	14,891 30				
Winnipeg	47,553 99	2,380 70	3,291 40	899 29	6,937 71	552 48	19,047 64	66,604 63	1,725 85	64,878 78				
Esquimaux	53,376 20	1,078 85	815 00	95 64	6,528 44	745 74	9,592 77	62,968 97	1,074 56	61,894 42				
Calgary	10,397 22	3,471 55	1,838 00	398 92	1,169 49	457 20	9,264 30	19,661 52	126 23	19,535 29				
Contributions Pension Fund,	950 01							950 01		950 01				
N.C.O's and Men on loan.	7,533 60							12,331 44		12,331 44				
High Commissioner.						4,797 84	4,797 84							
	903,866 81	98,313 96	77,714 25	13,055 28	14,635 61	20,091 10	269,004 40	1,172,871 21	20,393 72	1,152,477 49				

<sup>1</sup> Contributions by Dominion Government towards Pension Fund of N.C.O's, and Men of the Regular Army on loan in Canada.

<sup>2</sup> Paid by High Commissioner to N.C.O's, and Men undergoing courses of Instruction in England.



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## STATEMENT No. 12.

## EXPENDITURE on account of Officers and Men, Active (non permanent) Militia, attending Schools of Instruction, 1913-14.

(Numbers shown do not include those attending without expense to the Public.)

SCHOOL.		NUMBERS TRAINED.			Cost.
Corps, etc.	Place.	Officers.	N. C. O's and Men.	Total.	
Cavalry.....	St. Jean, P.Q. ....	58	43	101	\$ cts 2,646 51
" .....	Toronto.. ..	81	76	157	4,798 80
" .....	Winnipeg.....	150	250	400	25,972 56
" .....	Prince Albert.....	7	3	10	150 90
" .....	Wetaskiwin.....	5	17	22	994 25
" .....	Edmonton .....	2	12	14	669 30
" .....	Youngstown.....	3	21	24	2,100 90
" .....	Pincher Creek.....	9	33	42	3,440 70
Artillery.....	Kingston.....	46	69	115	6,138 15
" .....	Quebec.....	14	5	19	1,114 95
" .....	Halifax .....		1	1	73 73
" .....	Esquimalt .....	16		16	438 00
" .....	Fraserville.....	6	12	18	1,071 00
Engineers.....	Halifax.....	2	4	6	350 47
" .....	Esquimalt .....		4	4	109 20
Infantry.....	London.....	32	46	78	2,107 06
" .....	Toronto.....	83	76	159	5,154 87
" .....	Fredericton.....	7	18	25	591 01
" .....	Halifax.....	55	23	78	4,712 96
" .....	Quebec.....	46	6	52	3,856 15
" .....	Hamilton.....		35	35	318 00
" .....	Sault Ste. Marie. ....		23	23	324 50
Army Service Corps..	Toronto.....		2	2	70 00
" " " .....	Kingston.....		4	4	90 25
" " " .....	Halifax.....		1	1	31 00
Medical Corps.....	London .....		1	1	42 00
" " .....	Halifax.....		46	46	3,377 15
" " .....	Kingston.....	4	1	5	111 00
Central Laboratory of Hygiene..	Ottawa.....	3		3	374 25
Veterinary Corps...	Kingston.....	1		1	63 00
School of Musketry.....	Ottawa.....	29	4	33	2,909 55
" " .....	London.....	3	2	5	159 15
" " .....	Halifax.....	3	3	6	1,390 45
		665	841	1,506	75,661 77

Palma Trophy Team, Camp Perry, U.S.A. ....		135 80
1st Division.....		1,851 69
2nd " .....		5,777 72
3rd " .....		5,039 85
4th " .....		1,747 27
5th " .....		626 02
6th " .....		7,845 13
Military District No. 10.....		5,692 00
" " " 11.....		2,087 63
" " " 13 .....		2,664 33

109,129 21

Deduct Expenditure 1913-14 paid from 1914-15 Funds..... 11,282 08

97,847 13



STATEMENT No. 13.  
Comparative Statement of Expenditure for the Ten Years 1904-5 to 1913-14.

	1904-05.	1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.
	£	£	£	£	£	£	£	£	£	£
Allowances for Drill Instruction, Care of Arms and Postage.....	56,760	122,864	44,235	70,239	115,003	66,565	104,446	83,867	85,474	101,904
Annual Drill.....	699,724	809,924	724,378	1,084,499	1,304,796	796,608	1,089,694	1,169,068	1,719,257	1,830,034
Cadet Corps.....								35,947	93,723	392,207
Clothing and Necessaries.....	179,943	429,727	274,510	399,919	371,866	374,670	373,960	475,175	508,788	699,572
Contingencies—including Guards of Honour, Escorts and Salutes.....	19,350	20,020	18,237	24,807	35,010	30,364	34,975	39,920	47,674	49,957
Custom Dues.....			71,803	143,622	95,177	36,696	189,580	143,069	38,424	47,630
Departmental Library.....	848	972	680	968	1,050	938	755	975	1,010	1,055
Dominion Arsenal.....	150,563	215,037	224,401	341,083	275,936	259,524	280,634	236,790	325,863	358,315
Engineer Services.....	205,800	227,427	262,587	325,913	316,819	274,807	353,966	487,222	791,895	1,452,729
Grants towards construction of City Regt'l Armouries.....		27,000	13,000				65,000		12,000	
Grants to Artillery and Rifle Associations and to Regimental Bands.....	49,100	45,825	45,241	49,278	51,085	53,187	54,985	56,270	64,315	79,506
Gratuities and Compassionate Allowances.....	5,178	582	5,700	26,879	2,513	2,375	3,970	2,551	2,170	4,300
Maintenance of Military Properties.....	49,854	50,523	38,434	70,062	75,000	74,067	79,961	80,937	88,925	107,214
Pay of Insp.-Gen. and Military Members of Militia Council (Statutory).....	14,699	21,600	16,200	21,600	21,600	21,600	21,600	21,600	21,600	21,600
Pay of Headquarters Staff.....	46,519	48,991	33,782	58,797	57,732	52,717	59,589	66,178	78,617	74,002
Pay of Division and District Staffs.....	45,551	73,119	64,234	77,272	74,840	84,719	76,430	99,300	115,844	123,772
Permanent Force—Pay, Provisions and Supplies.....	642,761	1,518,767	1,120,445	1,826,258	1,787,851	1,758,005	1,845,386	1,946,636	2,200,183	2,198,453
Printing and Stationery.....	24,541	25,805	26,306	50,430	43,704	39,999	60,003	53,489	59,828	72,209
Royal Military College.....	86,477	86,243	68,898	92,145	108,496	95,934	127,036	134,949	131,241	149,039
Salaries and Wages of Civil Employees.....	64,984	72,003	67,063	98,979	95,703	79,822	153,018	155,645	170,700	197,823
Schools of Instruction—Pay of Active Militia attending.....	42,552	42,593	27,913	40,127	32,183	50,967	80,007	70,041	77,762	97,847
Topographical Survey.....	11,246	15,518	17,760	23,716	28,414	23,140	26,260	24,714	35,055	39,059
Transport and Freight.....	54,783	84,856	54,965	109,980	112,313	101,634	124,281	138,230	176,054	199,247
Warlike Stores.....	74,707	174,980	124,912	554,200	231,998	342,406	334,548	531,332	683,080	705,375
Defences of Esquimaux contributions towards.....	109,987	179,256								
Coronation Contingents.....						600		131,835	17,202	6,508
Miscellaneous Small Votes.....	9,250			7,000	350		6,318	21,047		
Expenditure under the following six subheads was charged to Capital Account up to 1909-10 inclusive, but to Revenue since then:—										
Ordnance, Ammunition, Tents, Wagons and Equipment generally, excepting Clothing, Saddlery and Harness.....	396,772	398,020	428,339	703,750	612,997	323,281	370,469	649,276	572,486	967,804
Saddlery and Harness.....	212,688	54,418	44,404	92,570	110,984	47,427	103,753	6,713	942	103,732
Clothing—Reserve Stock and outfitting new units.....	284,478	271,733	22,813	57,098	77,858	204,770	150,220	110,468	100,000	217,419



STATEMENT No. 13—*Con.*  
Comparative Statement of Expenditure for the Ten Years 1904-5 to 1913-14—*Con.*

	1904-05.	1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.
Ross Rifles, spare parts, bayonets, scabbards, arm cheests and inspection.....	240,301	367,306	300,388	214,143	317,478	661,123	585,190	419,937	532,073	640,613
Dominion Arsenal, for reserve ammunition.....	75,000	75,000	56,790	75,000						
Lands and construction of new rifle ranges.....	90,725	133,399	122,549	155,344	126,030	63,369	1102,773	9183,703	341,208	51,237
Total Ordnance, Equipment, Lands, &c.....	1,299,964	1,299,876	975,283	1,297,905	1,245,347	1,299,970	1,372,405	1,370,097	1,566,709	1,980,805
Total Militia Expenditure.....	3,945,141	5,593,518	4,320,967	6,795,678	6,484,866	5,921,314	6,909,211	7,579,884	9,112,396	10,988,162
Aid to Civil Power (Statutory and recoverable from Municipalities).....	5,965	492	2,020	410		58,613	13,678	716	78	187,857
Toronto Barracks—Special account.....							63,026	2,012	148,889	45
Winnipeg Barracks—Special account.....							123,000		107,053	
Point St Charles Armoury.....							47,500		180,000	
Montreal Barracks Site.....									940	221,849
Transferred from Public Works Department.....										
Pensions—Rebellion, 1837-8.....	280	160	160	160	130	80	80	80	40	
Pensions—Venian Raids.....	2,337	955	1,851	1,935	1,508	1,937	1,710	1,828	1,822	1,788
Pensions—Northwest Rebellion and General.....	16,420	16,202	16,073	16,283	12,733	16,760	17,628	17,118	17,689	17,834
Pensions—Pension Act, 1901.....	7,101	9,423	9,664	19,981	26,873	27,003	38,483	45,698	60,479	70,940
Total pensions.....	26,138	26,740	27,748	38,359	41,234	45,780	57,901	64,724	70,041	90,662
Civil Government—Salaries.....	52,512	58,443	45,668	63,104	101,039	126,726	130,772	137,251	146,718	157,135
Civil Government—Contingencies.....	9,946	12,026	8,654	11,994	13,884	13,500	10,086	11,902	22,090	27,907
Total Civil Government.....	62,458	70,459	54,322	75,098	114,923	140,226	140,858	149,154	168,747	185,134
Revenue Received—										
Militia.....	20,695	32,195	16,618	39,809	29,791	31,783	44,256	709,829	51,379	39,644
Casual.....	19,988	24,641	691	1,174	130	2,742	1,390	1,806	2,691	1,760
Royal Military College.....	25,472	23,067	24,368	23,209	28,019	29,154	31,650	34,286	36,788	39,817
Pension Act, 1901.....	11,308	14,220	13,237	19,596	21,196	21,742	23,347	25,269	28,303	30,714
Total Revenue.....	77,463	94,123	54,914	83,788	77,136	85,421	109,646	121,130	119,228	105,922

<sup>1</sup> In addition \$123,000 was expended for the purchase of a new site for barracks and rifle range, Winnipeg, from monies received from sale of old rifle ranges, and, also, \$17,500 for an Armoury for 4th Field Co, Canadian Engineers from an appropriation voted under the Department of Public Works Estimates and transferred.

<sup>2</sup> A separate appropriation of \$75,000 was voted for purchase of lands for a Rifle Range, expenditure on which is included in this amount.



STATEMENT No. 14.

MILITIA AND DEFENCE REVENUE.

(1)

*Militia Revenue.....	\$ 36,640 77
Royal Military College.....	36,816 76
Casual Revenue.....	1,790 46
Militia Pension Revenue (Act 1901).....	30,713 66
Total.....	\$ 105,961 65
*Sales of Ammunition and Stores.....	\$ 17,292 71
Rents of Military Properties, etc.....	3,730 07
Miscellaneous Revenue.....	15,617 99
Total.....	\$ 36,640 77



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## APPENDIX B.

## REPORT OF THE DIRECTOR GENERAL OF MEDICAL SERVICES.

OTTAWA, March 31, 1914.

*From the Director-General, Medical Services, Canadian Militia to the Adjutant-General, Canadian Militia.*

SIR,—I have the honour to submit my report upon the Medical Services for the year ending March 31, 1914.

## PERMANENT ARMY MEDICAL CORPS.

Owing to the general development of medical work and organization in the Militia, the work of the Permanent Army Medical Corps, especially along scientific lines, has been, and will be, increased. The standard of sanitary efficiency demanded is high and it devolves on the Permanent Army Medical Corps to maintain that standard. The general increase in sanitary knowledge throughout the country means that the public will not be satisfied with any measures adopted to protect the health of its Militia and Cadets, while in camp, unless they are the very latest and accepted methods of sanitation. The sanitary work done in the Militia Camps has had no small effect upon producing this knowledge on the part of the general public.

The limited personnel of the Permanent Army Medical Corps has made it difficult to carry out all its duties, but, in spite of this small number, the duties have been well performed; and it is hoped that the conditions will shortly permit a large increase in the establishment of this corps.

## ARMY MEDICAL CORPS.

It is regretted that circumstances have not permitted the Army Medical Corps keeping pace with the rest of the Militia as regards the establishment of new units.

The following are the Divisions short of units for mobilization:—

*First Division—*

One Field Ambulance.

*Third Division—*

Two Field Ambulances.

*Fifth Division—*

Two Field Ambulances and a Cavalry Field Ambulance. As far as the personnel and technical equipment is concerned these can at once be organized.

In my last report I stated that it would seem hopeless to suppose that medical units could be raised in the Fifth Divisional Area. I am glad to be able to say that there has been a great increase in interest, recently, amongst the medical profession, in this Area, in militia medical work. No. VII Field Ambulance has been reorganized with new officers, and the officers have been gazetted into the Army Medical Corps to form the detail for a new Field Ambulance at Lévis, just as soon as the same is authorized. In the Western Districts the same condition exists, officers and men, in plenty, available if only financial conditions would permit the organization of new units.

## REGIMENTAL MEDICAL SERVICE.

All medical officers detailed to units, other than medical, are now first gazetted to the Army Medical Corps. This system is working well, even under the somewhat trying conditions of peace training; on mobilization its advantages would be so apparent that any existing opposition to it would at once evaporate.



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## EFFICIENCY AWARDS.

The Association of Officers of the Medical Services granted, from the funds received from the Department, efficiency prizes to Regimental Stretcher Bearer Sections, Cavalry Field Ambulances, Field Ambulances and to Clearing Hospitals. In spite of the apparent difficulties in arriving at a fair system of marking, the awards were made in a manner satisfactory to all. The importance of the bearing of this generous gift of the Association, on the general efficiency of the Medical Service, cannot be overestimated. A magnificent cup was given by Colonel G. Sterling Ryerson for competition amongst the Field Ambulances, it was won by XIV Field Ambulance commanded by Major Bentley, with Headquarters at Sarnia, Ont. Major E. R. Brown, 5th Regiment, "Royal Highlanders of Canada" has also given a handsome trophy for competition amongst the Regimental Stretcher Bearer Sections.

## CONVENTIONS.

The Annual Meeting of the Association of Officers of the Medical Services was held, under the Presidency of Lt.-Col. J. T. Fotheringham, A.M.C., at Ottawa, in February, 1914. The annual dinner was honoured by the presence of H. R. H. The Governor General. Through the kindness of the Honourable The Minister the meeting had the privilege of being addressed by Colonel Sir William Leishman, Knt., F.R.S., K.H.P., R.A.M.C., Professor of Pathology at the Royal Army Medical College, London, on the subject so closely connected with his name and work, "Anti-typhoid Vaccination;" Sir William, also, under the auspices of the Department, addressed the medical profession of Montreal and Toronto.

I had the honour of attending the International Medical Congress held in London in August, 1913, and acted as Vice-president of the Army and Navy Section. A full report has been already submitted.

The Canadian Medical Association happened to meet at London, Ont., when the camp of the 1st Division was on, and thus the military side of medical work was brought to the notice of a very large and influential number of members of the Medical profession from all parts of Canada.

## EDUCATION.

I am very pleased to report that a complete re-organization has been made in the Schools of Instruction. The following Schools have been authorized:—

(a) Central Army Medical School, Ottawa.

(b) Divisional Army Medical Schools at London, Toronto, St. Jean, Quebec, and Halifax.

(c) District Army Medical Schools at Winnipeg and Esquimalt.

For the short time this has been working, the results have been most encouraging and it is hoped that the custom of attending Schools of Instruction to qualify, instead of using-up time at camps, will find more favour with the medical officer in the future than it has done in the past.

Examination for promotion to the ranks of major and lieutenant-colonel have been carried out by papers issued from the Central Medical School, the high standard has been maintained, and the popularity of this method of examination is evident.

## VOLUNTARY AID AND MEDICAL RESERVE.

The scheme for the development, from civil sources, of a system of Voluntary Aid to the Militia Medical organization has now been adopted. It is hoped that Voluntary Aid Centres, both male and female, will be established throughout the country through the agency of such organizations as the St. John Ambulance Association, the St. John Ambulance Brigade and the Canadian Red Cross Society.



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It is hoped that a strong Medical Reserve will be built up from the men of the St. John Ambulance Brigade who are now being trained in considerable numbers, along the lines required for service in the hospitals of the lines of communication and with the mobile field medical units.

LABORATORIES.

Divisional Laboratories of Hygiene have been established at Halifax and Kingston, good work is being accomplished at both of them. The reports of the Central Laboratory and of the Divisional ones are attached.

As well as the above a very serviceable laboratory has been organized at Petawawa.

MANŒUVRES.

I was accorded the privilege of attending the Medical Manœuvres at Aldershot, England, in August, and the Army Exercises in September. My reports on these have already been submitted.

DUTY IN ENGLAND.

I was, when not on manœuvres, on duty at the War Office, where I was able to study many questions of medical administration and especially questions dealing with the training, etc., of the Territorial Force, and the organization of voluntary medical aid. I have already submitted many recommendations as a result of my opportunities.

HEALTH OF THE TROOPS.

The health of the Active Militia (non-permanent) while in camps has been excellent. The returns show a marked decrease in all sickness in almost every camp. That of the Permanent Force has also been good, as will be seen by the following statements:—

TABLE 1.—A general statement of Admissions, Deaths, and Discharges (Medically Unfit) of the Permanent Force, during the year ending March 31, 1914.

Disease.	Admitted.	Died.	Discharged as medically unfit.
Infective diseases.....	318	2	2
General diseases.....	15		
Intoxications.....	32	3	
Morbid conditions incident to various parts.....	15		
Diseases of the nervous system.....	54	1	4
"    eye.....	19		1
"    nose.....	10		
"    ear.....	3		1
"    circulatory system.....	36	2	3
"    respiratory system.....	63	1	4
"    digestive system.....	283	3	2
"    lymphatic system.....	4		
"    urinary system.....	8		
"    generative system.....	23		1
"    organs of locomotion.....	75		4
"    connective tissue.....	19		
"    skin.....	63		1
Local injuries.....	327		
Totals.....	1,367	12	23

In addition to the above, 37 officers and 1,419 women and children were treated for various ailments.



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TABLE II.—Showing the number of Surgical Operations performed in the Military Hospitals during the year ending March 31, 1914.

Operation.	Totals.
Cyst.....	4
Varix.....	5
Abscess Rectal ..	2
Appendicitis....	2
Hernia.....	7
Piles.....	1
Varicocele.....	1
Inflammation of Knee Joint.....	2
Abscess.....	9
Suturing of wounds ...	7
Paracentesis of Pleura.....	1
Circumcision .....	7
Removal of Adenoids.....	2
Operation Radical Cure.....	2
Removal of Eye.....	1
Fractures.....	3
Inflammation of Tonsils .....	2
Dislocation shoulder .....	1
Onchia.....	1
Fistula in Ano.....	1
Varicose Veins.....	1
New Growth (Non Malignant).....	1
Total.....	63

TABLE III.—Showing results of Vaccinations and Re-vaccinations by Divisional Areas and Districts during the year ending March 31, 1914.

Station.	Number Vaccinated.	Result.	
		Perfect.	Immune.
Royal Military College.....	15	15	—
1st Division.....	39	28	11
2nd Division.....	304	162	142
3rd Division.....	132	74	58
4th Division.....	46	38	8
5th Division.....	95	30	65
6th Division .....	317	257	60
Military District No. 10.....	76	76	—
Military District No. 11 .....	30	23	7
Totals.....	1054	703	351



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TABLE IV.—A general statement of Admission, Death, and Discharge (Medically Unfit) of the Naval Ratings, during the year ending March 31, 1914.

Disease.	Admitted.	Died.	Discharged as Medically unfit.
Infective Diseases . . . . .	13	—	—
General Diseases . . . . .	1	—	—
Diseases of the Nervous System . . . . .	1	—	1
"    Eye . . . . .	—	—	—
"    Circulatory System . . . . .	1	—	—
"    Respiratory System . . . . .	1	1	—
"    Digestive System . . . . .	3	—	—
"    Lymphatic " . . . . .	1	—	—
"    Urinary " . . . . .	1	—	—
"    Generative " . . . . .	3	—	—
"    Organs of Locomotion . . . . .	2	—	—
"    Connective Tissue . . . . .	1	—	—
Injuries . . . . .	4	—	—
Totals . . . . .	32	1	1

TABLE V.—A general statement of Admissions and Deaths, during Annual Training, 1913.

Disease.	Admitted.	Died.
Infective diseases . . . . .	84	—
Intoxications . . . . .	1	—
Diseases of the nervous system . . . . .	23	—
"    eye . . . . .	19	—
"    nose . . . . .	32	—
"    ear . . . . .	4	—
"    circulatory system . . . . .	9	1
"    respiratory " . . . . .	24	—
"    digestive " . . . . .	136	1
"    lymphatic " . . . . .	1	—
"    urinary " . . . . .	1	—
"    generative " . . . . .	7	—
"    organs of locomotion . . . . .	20	—
"    connective tissue . . . . .	14	—
"    skin . . . . .	11	—
Local injuries . . . . .	190	—
Totals . . . . .	576	2



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TABLE No. VI.—Yearly report on the work carried out at the Central and Divisional Laboratories of Hygiene.

CENTRAL LABORATORY OF HYGIENE.

(a) Bacteriological Examinations.

Nature.	No.
Water.. . . . .	811
Milk.. . . . .	1
Blood.. . . . .	19
Urine.. . . . .	23
Fæces.. . . . .	20
Sputum.. . . . .	6
Foods.. . . . .	1
Total.. . . . .	887

(b) Chemical Examinations.

Nature.	No.
Water.. . . . .	472
Milk.. . . . .	1
Total.. . . . .	473

DIVISIONAL LABORATORY OF HYGIENE, KINGSTON, ONT.

Nature.	No.
Water.. . . . .	70
Milk.. . . . .	20
Urine.. . . . .	25
Pus.. . . . .	20
Throat Cultures.. . . . .	5
Fæces.. . . . .	4
Widal Tests.. . . . .	6
Salvarsan Treatments.. . . . .	2
Total.. . . . .	152

DIVISIONAL LABORATORY OF HYGIENE, HALIFAX, N.S.

Nature.	No.
Urine.. . . . .	248
Sputum.. . . . .	62
Urethral Discharges.. . . . .	41
Swabs from Throats.. . . . .	13
Blood.. . . . .	10
Fæces.. . . . .	6
X Ray Examinations.. . . . .	7
Butter.. . . . .	2
Total.. . . . .	389

I have the honour to be, sir,  
Your obedient servant,  
G. C. JONES, Colonel,  
Director-General, Medical Services.



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## APPENDIX C.

## REPORT OF THE COMMANDANT OF THE ROYAL MILITARY COLLEGE.

KINGSTON, ONT., June 25, 1914.

*From the Commandant, Royal Military College, to the Secretary Militia Council, Ottawa.*

SIR,—I have the honour to report as follows on the result of the past College year:—

## STRENGTH.

There were 129 Cadets at the College at the beginning of the year.

Four casualties have occurred:—One Cadet was removed for misconduct, one was discharged as medically unfit, one left at the request of his parents, and one, I deeply regret to say, was killed by an accident. This leaves a total at the College now of 125.

By the death by accident of Gentleman Cadet G. S. Fry, on March 20, last, a young life was cut off which was greatly respected and loved by all those who knew him, I take this opportunity of again expressing the deep sympathy of the whole College with his family.

## DISCIPLINE.

With one individual exception the conduct and discipline of the Cadets has been highly satisfactory. I am much pleased with their general tone and the assistance which they all, and the 1st Class in particular, have given me and the rest of the Staff in maintaining the high standard of the College.

## HEALTH.

The health of the Cadets has been very good. There have been only six cases of infectious disease, viz., five chicken pox and one measles.

## STAFF.

Colonel Crowe, the late Commandant, left the College on July 2, 1913, at the expiration of his term of service. I succeeded him as Commandant on December 12, 1913, Lieut.-Col. T. Birchall Wood having acted as Commandant during the interval.

At the close of this term, I regret to say, the College will lose the specially valuable services as Professor of Survey, of Major A. J. Wolff, R.E. the period of his appointment having expired.

## BUILDINGS.

During the past College year a new Gun and Model Shed has been taken into use; and the old Gun Shed has been removed, to the great improvement of the College. The new Dormitory has been completed except the furnishings, and some minor fittings; these are now in hand and it is hoped it will be occupied next term.

The building of the new Drill Hall is to begin shortly.



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## VISITORS.

On June 2nd last the College was honoured by a visit by His Royal Highness the Governor-General, who was accompanied by Their Royal Highnesses the Duchess of Connaught and the Princess Patricia.

The Minister of Militia, with General Sir Ian Hamilton, visited the College on Diploma Day last year and gave away the prizes.

## SPORT.

In the cricket week last year the Cadets were successful in all matches.

The College entered last year the Senior League of the Intercollegiate Football and were successful in two games.

The College again won the championship of the Intermediate Hockey Series.

Gentleman Cadet Morris was first home in the Harrier Intercollegiate Meeting.

## ENTRANCE EXAMINATION.

Of the 89 candidates who competed at the Entrance Examination this year 56 qualified.

The number that can be admitted has not yet been decided.

## COMMISSIONS.

The following will be recommended for commissions:—

*Imperial Commissions—*

Gentleman Cadet, C. V. Strong, Royal Engineers.

“ C. W. A. Barwis, Indian Army.

*Canadian Permanent Force Commissions—*

Gentleman Cadet, J. F. Preston, Royal Canadian Artillery.

“ J. H. Roberts, Royal Canadian Horse Artillery.

## DIPLOMAS.

The following are awarded diplomas:—

*With honours—*

Gentleman Cadet Sergeant W. F. Hadley.

“ “ Sergeant H. S. Matthews.

“ “ Company Sergeant-Major C. V. Fessenden.

“ “ Battalion Sergeant-Major C. B. R. Macdonald.

“ “ Corporal L. K. Greene.

“ “ Company Sergeant-Major C. V. Strong.

“ “ Corporal J. S. B. Macpherson.

“ “ Company Sergeant-Major L. Drummond.

“ “ Corporal F. S. Rankin.

*Diplomas of Graduation—*

Gentleman Cadet Corporal H. H. Blake.

“ “ Sergeant B. H. Mackenzie.

“ “ Sergeant I. R. R. Macnaughton.

“ “ Lance-Corporal W. G. Kerr.

“ “ Lance-Corporal B. D. Rogers.

“ “ Sergeant C. W. A. Barwis.



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*Diplomas of Graduation—Con.*

Gentleman Cadet Sergeant E. O. McMurtry.

"	"	Corporal J. J. B. St. Laurent.
"	"	Corporal F. M. Gibson.
"	"	Lance-Corporal J. K. Cronyn.
"	"	Lance-Corporal F. Fyshe.
"	"	Corporal W. Vander Smissen.
"	"	Lance-Corporal D. H. Kittermaster.
"	"	Lance-Corporal J. F. Preston.
"	"	Lance-Corporal A. H. A. Morphy.
"	"	Lance-Corporal A. McGoun.
"	"	Lance-Corporal D. C. Greey.
"	"	Corporal W. H. Shoenberger.
"	"	Lance-Corporal N. A. Sparks.
"	"	Sergeant J. A. Dennistoun.
"	"	Lance-Corporal H. S. Parker.
"	"	Lance-Corporal H. O. D. Wilkins.
"	"	Company-Sergeant-Major J. H. Roberts.
"	"	Lance-Corporal D. E. A. Rispen.
"	"	Lance-Corporal A. D. Walker.
"	"	Lance-Corporal E. I. H. Ings.
"	"	Lance-Corporal H. E. M. Ince.
"	"	Lance-Corporal C. B. Pitblado.

## PRIZE LIST.

*Sword of Honour for Conduct and Discipline..* Battalion Sergeant-Major C. B. R. Macdonald.*H.R.H. The Governor General's Medals—*

Gold..	..	..	..	..	..	..	..	..	Sergeant W. F. Hadley.
Silver..	..	..	..	..	..	..	..	..	Sergeant H. S. Matthews.
Bronze..	..	..	..	..	..	..	..	..	Company Sergeant-Major C. V. Fessenden.

*Term work —*

First Class Prize..	..	..	..	..	..	..	..	Sergeant W. F. Hadley.
Second Class Prize..	..	..	..	..	..	..	..	Gentleman Cadet G. S. Ridout.
Third Class Prize..	..	..	..	..	..	..	..	Gentleman Cadet R. FitzRandolph.

*First Class Prizes—*

General Proficiency in Military Subjects.	Sergeant W. F. Hadley.
Military Engineering.. . . . .	Battalion Sergeant-Major C. B. R. Macdonald.
Tactics and Reconnaissance.. . . .	Sergeant W. F. Hadley.
Artillery.. . . . .	Corporal J. S. B. Macpherson.
Physics.. . . . .	Sergeant W. F. Hadley.
Chemistry.. . . . .	Sergeant W. F. Hadley.
Surveying.. . . . .	Sergeant W. F. Hadley.
Civil Engineering.. . . . .	Sergeant W. F. Hadley.
L'Alliance Française, French Medal ..	Corporal L. K. Greene.
Drills and Exercises.. . . . .	Company Sergeant-Major C. V. Fessenden.

*Second Class Prizes—*

Military History.. . . . .	Gentleman Cadet A. G. Dobbie.
Military Administration and Military Law.. . . . .	Gentleman Cadet G. S. Ridout.
Field Sketching and Map Reading.. .	Lance-Corporal A. C. Brooks.
Mathematics and Mechanics.. . . .	Gentleman Cadet G. S. Ridout.
Geometrical and Engineering Drawing.	Gentleman Cadet G. S. Ridout.
French.. . . . .	Gentleman Cadet S. A. J. Thérien.

*Third Class Prizes—*

English..	..	..	..	..	..	Gentleman Cadet R. FitzRandolph.
French..	..	..	..	..	..	Gentleman Cadet H. de L. Panet.



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*Artillery and Musketry—*

- Prize for best Essay written during year: presented by Canadian Artillery Association. . . . . Corporal F. M. Gibson.
- Ontario Musketry Cups—
- First Class. . . . . Company Sergeant-Major C. V. Fessenden.
- Second Class. . . . . Gentleman Cadet P.-W. Cook.
- Third Class. . . . . Gentleman Cadet H. T. Genet.
- Quebec Musketry Cups—
- First Class. . . . . Company Sergeant-Major C. V. Fessenden.
- Second Class. . . . . Gentleman Cadet C. R. Sircom.
- Third Class. . . . . Gentleman Cadet W. W. Turnbull.
- Challenge Cup for Artillery: Presented by Ontario Artillery Association. . . . . Corporal J. S. B. Macpherson.
- Musketry Challenge Shield: Presented by Province of Ontario. . . . . Won by "B" Coy. Company Sergeant-Major C. V. Strong.
- Revolver Challenge Shield: presented by Sir F. W. Borden. . . . . Gentleman Cadet E. A. F. Hale.

*Gymnastics and Boxing—*

- Inter-Coy. Gymnastic Cup: Presented by Major W. A. Scott, R.M.L.I. . . . . Won by "B" Coy. Company Sergeant-Major C. V. Strong.
- Bayonet Fighting Competition. . . . . Won by Sergeant H. S. Matthews.
- Novices Boxing Challenge Cup: Presented by Major Shine, R.M.L.I.—
- Lightweights. . . . . Gentleman Cadet A. J. Crerar.
- Heavyweights. . . . . Gentleman Cadet J. A. Chestnut.
- Featherweight Boxing Challenge Cup: Presented by Lieut.-Col. R. E. Kent, 14th Regt. . . . . Gentleman Cadet H. A. Roberts.
- Lightweight Boxing Challenge Cup: Presented by Officers' Staff Course, 1899. . . . . Company Sergeant-Major L. Drummond.
- Middleweight Boxing Challenge Cup: Presented by Long Course Officers, 1906. . . . . Gentleman Cadet C. R. Sircom.
- Heavyweight Boxing Challenge Cup: Presented by Major-General E. T. Hutton. . . . . Gentleman Cadet W. F. Clarke.
- Welterweight Boxing. . . . . Won by Gentleman Cadet H. V. LeMesurier.

*Riding—*

- Riding Challenge Cup: Presented by Major George Hooper . . . . . Company Sergeant-Major C. V. Fessenden.
- Mounted Patrol Challenge Cup: Presented by the Earl of Dundonald. . . . . "C" Section of A Coy. Company Sergeant-Major J. H. Roberts.
- Jumping Challenge Cup: Presented by Lieut. H. P. Holt, 3rd Dragoon Guards. . . . . Battalion Sergeant-Major C. B. R. Macdonald.
- Dummy Thrusting Challenge Cup: Presented by Captain E. C. Hamilton. . . . . Battalion Sergeant-Major C. B. R. Macdonald.
- Jumping on Numnahs. . . . . Gentleman Cadet R. W. L. Crawford.

*Miscellaneous—*

- Open Squash Racquet Tournament. . . . . Lance-Corporal H. H. Blake.
- Handicap Squash Racquet Tournament. . . . . Corporal L. K. Greene.
- Cross Country Run (Cup presented by Colonel H. S. Greenwood). . . . . Lance-Corporal E. I. H. Ings.
- Tennis Singles Challenge Cup . . . . . Corporal L. K. Greene.

I have the honour to be, sir,

Your obedient servant,

L. R. CARLETON, *Colonel, Gen. Staff,*  
*Commandant, Royal Military College.*



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## APPENDIX D.

## REPORT OF THE BOARD OF VISITORS, ROYAL MILITARY COLLEGE.

OTTAWA, May 26, 1914.

*From the Adjutant-General, Canadian Militia, to the Secretary, Militia Council,  
Ottawa.*

SIR,—I have the honour to forward herewith the Report of the Meetings of the Board of Visitors, Royal Military College, held at Kingston, Ont., on the 27th, 28th, 29th and 30th April last.

I have the honour to be, sir,  
Your obedient servant,

VICTOR A. S. WILLIAMS, *Colonel, Adjutant-General,  
Chairman, Board of Visitors.*

## REPORT.

The Board held a preliminary meeting at 4.00 p.m. on the 27th March, 1914, and assembled at the Royal Military College, Kingston, Ont., at 9.30 a.m. on the 28th idem and following days.

## PRESENT.

*Chairman.*—Colonel V. A. S. Williams, A.D.C., Adjutant-General.

*Members.*—The Right Reverend C. L. Worrell, Bishop of Nova Scotia; Honorary Colonel J. A. M. Aikins, M.P., 99th Manitoba Rangers; Major R. W. Leonard, Corps of Guides.

*Secretary.*—Colonel J. S. Dunbar, Assistant Adjutant-General, Militia Headquarters.

Colonel W. G. Gwatkin, Chief of the General Staff, and Major G. B. Hughes, 50th Regiment Highlanders, were unavoidably unable to attend and Lieutenant-Colonels Ernest F. Wurtele, Commanding the 19th Infantry Brigade, H. J. Lamb, Corps of Guides, and Honorary Lieutenant-Colonel, the Reverend Canon Dauth, were absent on account of illness.

The Board inspected the buildings and grounds and enquired into the several departments of the institution and beg to report as follows:—

## INSTRUCTIONAL STAFF.

Colonel L. R. Carleton, D.S.O., the Essex Regiment, succeeded Colonel J. H. V. Crowe as Commandant.

The Commandant reported that the following changes had been made in the Staff of the College during the past year: Captain S. A. Thompson, Northamptonshire Regiment, and Captain P. A. Meldon, Royal Artillery, replaced Major J. P



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Shine, Royal Marine Light Infantry, and Major F. R. Sedgwick, Royal Artillery, respectively, as Professors of Military Topography, and Tactics;

Mr. W. L. Mulloy was appointed Assistant Instructor in English Literature;

Lieutenant-Colonel T. B. Wood, General Staff, was replaced by Captain C. A. Kerr, Royal Artillery, and Captain V. E. Gwyer, 10th Jhats, Indian Army, succeeded Major Gardiner who returned to India at the conclusion of his year of deputation.

The Commandant stated that the Officers' Classes were:—

(a) One candidate prepared for the Staff College;

(b) 16 Officers attended the Practical Portion of the Militia Staff Course in August, all of whom qualified;

(c) 10 Officers attended the Long Course;

(d) 5 Officers attended the Refresher Course;

(e) 3 Officers attending the present Long Course;

(f) 2 Officers attending the present Staff College Course.

The Board for the third time again strongly urge that a second Instructor in Mathematics and in French be appointed before next term.

#### SUBORDINATE STAFF.

The Commandant reported that the Subordinate Staff continued to give satisfaction but that an extra clerk was required for the departments of the Paymaster and Quartermaster, owing to the larger number of cadets and to other causes. The Board recommend that one more be detailed to the College.

#### ATTENDANCE.

One hundred and twenty-five Gentleman Cadets were in attendance at the date of the Board's visit.

#### ENTRANCE EXAMINATIONS.

Of the 114 candidates who competed at the last Entrance Examinations, 50 were successful and were admitted to the College. Eighty-eight have applied to undergo the examinations this year.

The Commandant considers that the educational qualifying standard for admission to the College is too low. The Board concur in his suggestion that the minimum of marks in the obligatory subjects be raised from 33 per cent to 50 per cent.

Representations have been made to the Board complaining of sudden changes in the syllabus and text books. The Board recommend that, as long a notice as possible should be given in future.

Representations have also been made to the Board concerning the announcements of the results of the Entrance Examinations, and the Board recommend that information concerning the results be mailed to all the colleges concerned concurrently with the notice to the Press.

The Board recommend for consideration the suggestion made by some colleges that, to suit their teaching and examination terms, the date of the Entrance Examinations should be changed from May to June.

The Board also recommend that great care be taken concerning strict compliance with the physical standard for entrance.

#### SYLLABUS OF INSTRUCTION.

In order that the College should keep abreast of the standards and requirements of the universities, the Board consider that it is advisable that an educationist from



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one of the universities, who would keep in constant touch with the Commandant throughout the year, be appointed a member of the Board of Visitors and respectfully suggest that one be selected from Queen's University.

The Commandant considered that a mistaken endeavour to specialize in Artillery (especially Garrison Artillery) and Military Engineering had been made at the cost of inadequate grounding in the Tactics of all arms and in Musketry, and stated that arrangements had been made to effect a change while still giving a good, practical course in Artillery and Military Engineering. The Board concur in this principle.

## COURSE OF STUDIES.

The Commandant reported that the hours devoted to Military, Civil and Practical Subjects during the past year were as follows:—

*Military—*

*Tactics.. . . . .	76½
*Military Engineering.. . . . .	242
*Military History.. . . . .	41
*Artillery (including practical).. . . . .	186
*Reconnaissance.. . . . .	80
*Field Sketching and Map Reading.. . . . .	140½
*Military Administration and Law.. . . . .	49

*Civil—*

Mathematics.. . . . .	675
Civil Engineering.. . . . .	393½
*Surveying.. . . . .	329½
Physics.. . . . .	184½
Chemistry.. . . . .	107
*English.. . . . .	171½
French.. . . . .	258½
Draughting.. . . . .	8
*Geometrical Drawing.. . . . .	99

*Practical—*

Infantry.. . . . .	164½
Gymnastics.. . . . .	266
Musketry.. . . . .	62
Signalling.. . . . .	42
Stables and Equitation.. . . . .	215
Workshops.. . . . .	43

\* In these subjects the professors concerned correct their own examination papers.

## COMMISSIONS.

Six commissions in the Imperial Army and four in the Permanent Force were given to last year's graduates.

## PERSONNEL.

Part of the first class were seen mounted, the second class at artillery drill in the new gun shed and the third class at work in the gymnasium. The following medical statistics show the average increase by classes since the last visit of the Board of Visitors:—

*First Class.—No. in class, 38—*

Average age, 20 years 6 months.  
 Height, 5½-inch.  
 Weight, 7 lbs.  
 Chest, 3½-inch.  
 Fore Arm, 3-inch.  
 Upper Arm, 3-inch.



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*Second Class.—No. in Class, 34—*

Average age, 20 years 1 month.  
 Height,  $\frac{1}{4}$ 1-inch.  
 Weight, 6 lbs.  
 Chest,  $\frac{3}{4}$ 1-inch.  
 Fore Arm,  $\frac{1}{2}$  inch.  
 Upper Arm,  $\frac{1}{2}$  inch.

*Third Class.—No. in Class, 53—*

Average age, 18 years 6 months.  
 Height,  $\frac{1}{4}$ 1-inch.  
 Weight, 8 $\frac{3}{4}$  lbs.  
 Chest, 2 $\frac{1}{2}$  inches.  
 Fore Arm, 1 inch.  
 Upper Arm, 1 $\frac{1}{4}$  inches.

## EQUITATION.

The Board strongly urge that the recommendations of the Boards of the past three years that a covered riding school be built within the College grounds be acted upon. In winter, the Cadets lose a great deal of training in riding owing to the want of one.

## DISCIPLINE.

The Commandant reported that while the discipline of the Cadets had been generally good, he had considered it necessary to make certain changes in the character development, system of discipline and training of the Cadets. These were explained to the members of the Board, who declared that they were in full accord with them, they being according to the latest British principles and in the best interests of the College.

## MESSING.

Although it was understood that the messing arrangements were completely worked by the Canadian Permanent Army Service Corps, it was ascertained on enquiry that this unit's present duties consisted solely of keeping the accounts in connection with the supplies furnished to the College and not in having the requisitions filled by the contractors and in inspecting the quality and quantity ordered in proportion to the number of Cadets to be fed. Complaints were made by some of the senior Cadets that at times the quantity of food was insufficient and the quality poor. The Board therefore recommend that the messing arrangements in connection with the College be made by the Canadian Permanent Army Service Corps in the same manner as is done by it with units of the Permanent Force.

## CLOTHING.

The Commandant reported that there had been delay again this year in the supply of the Cadets' clothing, chiefly that of the recruits, and that he had reason to find fault with some of the fitting and workmanship. Complaints were also made by some of the Cadets that while the tan boots issued from Stores were good, the black boots were unsatisfactory and did not wear well. The Board were pleased to learn that the khaki uniform was to be done away with and recommend that the tendency should be towards simplifying the uniforms so as to avoid an increase in expenditure to the Cadets.

The Board further recommend that the former system of keeping a stock of clothing, boots and gloves in the Quartermasters' Stores be revived



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MUSKETRY.

The Cadets are still without an outdoor rifle range and the Board recommend that one be built within the College grounds. Very good work was again done on the miniature rifle range. The Commandant reported that the classification of musketry for 1913-14 was as follows:—

CLASSIFICATION OF MUSKETRY.—TRAINED SOLDIERS COURSES.

Company Classification.

Class.	Marksmen.	First Class Shots.	Second Class Shots.	Figure of Merit.	Number in Company.	Number fully Exercised.	Percentage of Points Obtained.	Best Shot in Company.
B	5	3	9	148·8	17	17	66·1	No. 929, Sgt. Barwis.
A	3	6	10	148·2	19	19	65·8	No. 905, Sgt. Fessenden.
D	2	3	13	139·2	20	20	61·8	No. 957, Gentleman Cadet Clarke.
C	2	3	13	136·4	18	18	60·6	No. 916, Sgt. Cronyn.

Class Classification.

Company.	Marksmen.	First Class Shots.	Second Class Shots.	Figure of Merit.	Number in Company.	Number fully Exercised.	Percentage of Points Obtained.	Best Shot in Class.
1st. ....	6	10	24	145·1	40	40	64·5	No. 905, Sgt. Fessenden.
2nd ....	6	7	21	140·6	34	34	62·5	No. 975, Gentleman Cadet Cook.

Best shot in R.M.C., No. 905, Sgt. Fessenden.

HEALTH AND SANITATION.

The health of the Cadets during the past year was reported as having been good. The two Forbes Sterilizing Plants, which were installed last year in the Educational and old Dormitory buildings give satisfaction. It is regretted that the recommendation of the Board last year that a similar plant be installed in the new dormitory building has not been acted upon.

Although last year's Board drew particular attention to the unsatisfactory and inadequate ventilation of the class rooms during the winter months, nothing whatever has been done to remedy matters. Owing to all the class rooms being over-crowded, it is most important that something be done in this regard before next term.

The lavatories and bath-rooms were clean and in good order.

HOSPITAL.

The hospital was inspected and found to be in a satisfactory condition and fully equipped.

WORKSHOP.

The workshop was found to be up to date and in good order.



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## KITCHENS.

The kitchens and pantries were neat and well kept. One of the ranges, however, requires to be repaired if not renewed. The new steam cooking apparatus recently installed was reported to be very satisfactory.

## LIBRARY.

Owing to its being so cramped, the library is not patronized as much as it should be. The Board regret that the recommendations of previous Boards that it be enlarged have not been acted upon.

## HOLIDAYS.

The holidays are the same as in former years, viz.: 2 weeks at Christmas, four days at Easter and a little over 2 months in summer.

## RECREATION.

The College again did well in the athletic competitions for which it entered, having won the Intercollegiate Hockey Championship and all its cricket matches but one. The want of suitable row boats is still apparent.

## LANDS AND GROUNDS.

The renewal of the sidewalks is a marked improvement, but it was noted by the Board that some of the concrete walks appeared to be of poor quality as they were not wearing well.

The Tennis Courts were in good order for the season of the year and the additional Football ground will be much appreciated.

The appearance of the grounds generally is much enhanced by the removal of the old Gun and Model Shed.

The grounds near the new stables and grooms' quarters were tidy and well kept.

## GUN SHED.

The new Gun and Model Shed, which has just been completed, is a great improvement.

## ACCOMMODATION.

The new Dormitory Building, which is now almost ready for occupation, was found to be commodious and up to date in every particular.

For the fifth year in succession, the Board cannot urge too strongly that increased accommodation in the Educational Building be provided without delay. The following buildings are most urgently needed and without them, the good work of the College is being hindered to a very great extent:—

(a) Quarters for the six additional Subordinate Staff who will be required when the new Dormitory is occupied in September.

(b) Extension of the Educational Building (to include more class rooms, Laboratory, Lecture Hall, Ante-Room, Mess Room, Library, Staff Reading Room, etc.).

(c) Officers' Quarters.

(d) Riding School.

(e) Renovation of the interior of the present Educational Building and of the old Dormitory.

(f) Quarters for the Riding Master.



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## PENSIONS FOR CIVIL STAFF.

The Board can only regret that nothing has been done on the recommendations of previous Boards that provision be made for a retiring allowance for members of the Civil Staff. They, therefore, recommend that these gentlemen be appointed in future for one year or for a short term of years and not indefinitely as at present. This course of annual employment being that followed effectively in high schools, collegiate institutes and universities.

The Board also regret that the Pension Act of 1901 has so far not been amended so as to provide that the time spent at the College by Cadets shall count towards pension should they become officers of the Permanent Staff or Permanent Force of Canada.

## REGULATIONS.

The Board suggest that the syllabus of subjects for the Entrance Examinations be included in the Regulations for the Royal Military College, as an appendix.

## VISITORS.

The College was visited during the year by the Honourable the Minister of Militia and Defence and by General Sir I. S. M. Hamilton, G.C.B., D.S.O., Inspector General of the Oversea Forces.

The Chairman and Members of the Board desire to express their thanks to the Commandant and the Staff Adjutant for their kind assistance during their visit to the College

VICTOR A. S. WILLIAMS, *Colonel, Adjutant-General,*  
*Chairman, Board of Visitors.*

J. A. M. AIKINS, *Hon'y Colonel,*  
*The "99th Manitoba Rangers."*

R. W. LEONARD, *Major,*  
*Corps of Guides.*

CLARE L. WORRELL,  
*Bishop of Nova Scotia.*

J. S. DUNBAR, *Colonel, Asst. Adjutant-General,*  
*Secretary, Board of Visitors.*



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## APPENDIX E.

REPORT OF THE SUPERINTENDENT, DOMINION ARSENAL.

QUEBEC, October 27, 1914.

*To the Secretary Militia Council,*

SIR,—I have the honour to submit the following report upon the Dominion Arsenal for the fiscal year ending March 31, 1914.

### CHANGE IN ADMINISTRATION.

On August 15, Colonel Gaudet was granted leave of absence, pending retirement, and I was instructed to act as Superintendent. On October 15, 1914, Colonel Gaudet was retired upon pension, and I was appointed Superintendent.

On September 8, 1913, Major A. de L. Panet, C.O.C., vacated the appointment of Assistant Superintendent and was returned to duty, and Major S. S. Weatherbie, C.O.C., appointed in his stead.

### APPROPRIATION ACCOUNT.

The appropriations voted by Parliament and expenditure during the year were as follows:—

[illegible]

## EMPLOYEES AND PAY-ROLL.

The average number of employees for the year was 303. The total amount of expenditure on salaries and wages was \$171,767.11.

## AUDIT OF BOOKS.

An audit of the books and examination of public property on charge was completed by Lt.-Col. E. F. Würtele, Chartered Accountant, on July 11, 1913.

A Board of Officers was appointed to make a transfer of all Arsenal properties, equipment and stores, at the time of the change of Administration. The report of this Board was forwarded to Headquarters on August 16.

## STATEMENTS.

The following statements are submitted:—

### Balance Account.

### Capital Account.

### Statement of Indirect Expenditure.

### Statement of Liabilities and Assets.

### Production Statement.



## DOMINION ARSENAL--BALANCE SHEET.

Dr.

Cii

To Balance Account:—		\$	cts.	\$	cts.
For Capital (Buildings, Machinery) on 1st April, 1913, as per Capital Account (Page 78).		248,195	91		
For Stores in Stock on 1st April, 1913, (\$74,230 92 + \$27.97 from Suspense Account).		74,258	89		
For Semi-manufactures on 1st April, 1913.		380,891	03		
For incomplete work chargeable to Capital:—					
Automatic feeds on 1st April, 1913.		11,016	07		
For Accounts Receivable on 1st April, 1913.		315	83		
				714,677	73
To Amounts Expended in 1913-14:—					
Salaries.		24,055	96		
Wages.		147,711	15		
Material.		169,127	98		
Machinery.		4,304	74		
Tools.		467	64		
Freight.		1,958	64		
Water Supply.		1,800	00		
Printing and Stationery.		1,119	42		
Travelling Expenses.		766	96		
Electricity and Gas.		1,227	07		
Removal of Snow.		900	00		
Telephones, Telegrams and Postage.		231	26		
Cartage and Cabs.		2,071	05		
Office Furniture, etc.		77	77		
Medicines.		85	92		
Inquiry and Transfer D.A. (less \$1,370 88 appearing under salaries, etc.).		3,098	31		
Auditing Books.		270	28		
Pulley (Equipment General).		4	50		
Miscellaneous.		407	37		
Cheque issued to Credit of Receiver General for balance in bank on 31st March, 1914.		8	88		
Cash Balance on 31st March, 1914, deposited to the Credit of the Receiver General.		0	59		
				359,685	49
To Accounts payable on 1st April, 1914.				16,508	98
Official cheques received on miscellaneous repayments.				931	22
Amounts expended without charge to Arsenal Vote:—					
Maintenance of Buildings charged to Engineer Services.		5,379	62		
Customs Dues.		1,106	38		
				6,486	00
				1,098,289	42



Dr.	DOMINION ARSENAL, CAPITAL ACCOUNT, 1913 14—BUILDINGS, MACHINERY, ETC.				Cr.	
		\$	cts.	\$	cts.	
To Balance Account:—						
For net Capital on 1st April, 1913:—						
	Buildings.....		142,005 92		4,264 51	
	Machinery.....		106,189 99		10,382 45	
					23 06	
						14,670 02
By Indirect Expenditure Account:—						
For Depreciation in 1913-14 on:—						
	Buildings.....					
	Machinery.....					
	Tools.....					
By Balance Account:—						
For net Capital on 31st March, 1914:—						
	Buildings.....				145,065 38	
	Machinery.....				100,714 09	
	Tools.....				294 26	
	Equipment, general.....				75 45	
	Office Fixtures, etc.....				287 81	
	New Arsenal.....				2 36	
						246,439 35
						261,109 37
To Machinery accrueement in 1913-14.....						
"	Buildings, Repairs, and Maintenance in 1913 14.....			4,906 55		
"	Tools:—taken on Capital Account " 1913 14.....			7,323 97		
"	Equipment, general.....			317 32		
"	Office fixtures, etc.....			75 45		
"	Expenses incurred for New Arsenal in 1913-14.....			287 81		
				2 36		
						261,109 37



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STATEMENT OF INDIRECT EXPENDITURE, 1913-14.

Expenditure on the following services, not chargeable direct to order.

Salaries of staff.. . . . .	\$23,255 96
Wages.. . . . .	15,636 92
Motive power, heating and lighting—	
Wages .. . . . .	\$ 5,325 41
Materials, etc... ..	14,248 24
	<hr/>
	20,173 65
Maintenance of buildings... ..	1,158 07
Removal of snow.. . . . .	900 00
Water supply.. . . . .	1,800 00
Printing and stationery.. . . . .	1,093 57
Travelling expenses.. . . . .	602 00
Telephone, telegrams and postage.. . . . .	182 39
Customs dues.. . . . .	32 15
Cartage and cabs.. . . . .	810 61
Freight... ..	92 54
Medicines.. . . . .	85 92
Material.. . . . .	1,655 99
Tools.. . . . .	74 57
Miscellaneous.. . . . .	155 52
From Capital Account—	
3 per cent depreciation on buildings .. . . . .	\$ 4,264 51
10   “                   “           machinery.. . . . .	10,382 45
20   “                   “           tools .. . . . .	23 06
	<hr/>
	14,670 02
	<hr/>
	\$82,379 88
Less—amounts taken in relief of Indirect Expenditure.. . . . .	3,722 46
	<hr/>
	\$78,657 42

NOTE.—This amount, together with indirect expenditure of each factory, has been distributed as a general percentage on direct labour, in each factory, as shown below:—

General percentages on direct labour for the year 1913-14.

Workshop.. . . . .	81.39 per cent.
Cartridge factory.. . . . .	112.57   “
Shell factory... ..	114.83   “



DOMINION ARSENAL, QUEBEC, STATEMENT OF LIABILITIES AND ASSETS MARCH 31, 1914.

LIABILITIES.		ASSETS.	
	\$ cts.		\$ cts.
To Net Capital.....	246,439 35	By buildings, machinery, tools, equipment general, office fixtures, and arsenal new.....	246,439 35
" Working Capital .....	365,040 47	" stores in stock.....	137,053 05
" Accounts Payable.....		" semi-manufactures.....	230,200 11
		" incomplete work chargeable to capital .....	12,660 00
		" accounts receivable .....	923 52
		" suspense account.....	1,412 77
			627,988 80



## SESSIONAL PAPER No. 35

## PRODUCTION STATEMENT, 1913-14, ABSTRACT OF COST OF WORK PERFORMED.

Description.	Number.	Rate.	Per	Cost.
		\$ cts.		\$ cts.
Analysis of Coal for C.P.A.S.C .....				70 00
Boxes, Ammunition, S.A. 1,000 rds, .303"-inch in Chargers No. 1.....	943	1.53	Each.	1,444 13
Boxes, Ammunition, Q.F. 18-Pr.....	140	4.44		622 58
Bags, primer, filled, 7 drams, F.G. Mark I.....	1,000	4.197	100	41 97
Cartridges, empty, B.L. 15-Pr. Mark I. Gun 1½-lb. Blank " " B.L. or B.L.C. 15 or 12-Pr. 1-lb. 4-oz.	560	5.736		28 68
Blank .....	3,000	5.004	"	150 12
Cartridges, Q.F. 18-Pr. Shrapnel, Plugged. ....	560	11.298285	Each.	6,327 04
" S.A. ball .303-inch, Cordite, Mark VII....	3,430,190	44.158393	1,000	151,471 70
" S.A. Dummy .303-inch .....	19,978	14.104076	"	281 80
Chief Inspector of Arms and Ammunition—Services for .....				7,201 44
Clips, cartridge, Q.F. 18-Pr.....	560	99.3857	100	556 56
Chargers, .303-inch cartridges.....	242,022	3.7868	100	9,164 93
Dulling .303-inch cartridge cases .....	150,700	.4539	1,000	68 41
Experimental work:—Chief Inspector of Arms and Ammunition .....				71 55
Puffs, cordite, 4-oz.....	1,000	20.402	100	204 02
" powder, R.E.G. <sup>2</sup> .....	6,600	1.6256	100	97 54
" " 2-oz. silk cloth, Mark II.....	5,000	4.3732	100	236 66
" " 4-oz. Mark II.....	1,000	6.837	100	68 37
" " 4 drs., R.F.G. <sup>2</sup> .....	2,500	4.14	100	103 86
Primers, Percussion—Q.F. Cartridge.....	12	1.319991	Each.	15 85
Repairs:—Boxes, Ammunition, S.A. Mark I.....	1,456	1.229	"	1,790 19
Cases, powder, metal lined.....	15	.4653	"	6 98
Ovens, Aldershot pattern.....	19			58 08
Miscellaneous Ordnance Stores.....				153 31
Cartridges, S.A. ball, .303-inch, Marks VI. and VII.....	3,930,300	1.7096	1,000	6,719 25
Ross Rifle Inspection.....				360 99
Testing explosives.....				12 56
				137,328 57

I have the honour to be, sir,

Your obedient servant,

F. D. LAFFERTY, *Lieut.-Colonel, R.C.A.*,*Superintendent, Dominion Arsenal.*



## APPENDIX F.

## REPORT OF THE INSPECTOR GENERAL.

OTTAWA, February 2, 1914.

*From the Inspector-General Canadian Militia, to the Secretary, Militia Council.*

SIR,—In reporting upon the Militia for the year ending December 31, 1913, little remains to be said, as the voluminous and comprehensive report of the Inspector General of the Oversea Forces covers the entire general situation.

There are, however, points to be touched on which may impress themselves on the attention of the Honourable the Minister of Militia, and the Militia Council.

## THE PERMANENT CORPS.

*Generally.*

The reduction of the Establishment of the Corps has greatly interfered with its usefulness and almost entirely prevented its own annual training.. While all are animated with a desire to maintain the status of their several units in an efficient condition, and to prove themselves capable of imparting instruction to the Active Militia, their small numerical strength greatly interferes.

Their clothing and personal equipment should be most complete and correct, and a larger margin of reserve held on regimental charge.

New Dress Regulations are urgently needed.

Whenever the Permanent Corps have been called on to afford instruction and instructors, the greatest satisfaction has been given.

*Barracks.*

The barrack accommodation in many places is unsuitable and obsolete.

Stanley Barracks, Toronto, while yet occupied, has been given over to the Exhibition authorities and is embraced in their grounds. Until new barracks are ready, the troops could be transferred to London, Ont.

The Tête-du-pont Barracks, Kingston, is beyond further repair, and is unfit for occupation.

The same may be said of the St. Louis Barracks, Quebec. The company of the Royal Canadian Regiment stationed there, might with advantage be sent to rejoin the Regiment at Halifax, particularly as the number of officers and non-commissioned officers joining for instruction at this Station, is small.

In the Royal Canadian Regiment changes of Station of the companies should be made periodically, and on a prepared roster.

## THE ACTIVE (NON-PERMANENT) MILITIA.

*Generally.*

The efficiency and general condition of the Active Militia, remains much as heretofore, except in the case of the Artillery, Engineers, and Army Medical Corps, who have wonderfully improved. The system of administration and instruction is sound enough, but the number of recruits, year after year, prevents any permanent advance.

Some remedy must be sought, and I desire to suggest that the lax method of enrolment is primarily to blame. Officers responsible for the enlistment and enrolment, should be impressed with the necessity of fully explaining to their men the conditions involved and the obligations undertaken on enlistment. In the Cavalry and Infantry,



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the supervision of commanding officers and majors, would be of direct advantage, and these officers should be given to understand that it is expected of them. In the Infantry as in the Cavalry, the companies should be treated as the units.

To further aid in the inducements to enroll in the Militia, I strongly urge that local inexpensive armouries be provided at company headquarters. Renting a mere shelter for the arms is insufficient. A good armoury would provide a comfortable meeting place for the men, and give them a permanent interest in their corps. Provision should also be made in armouries for Mobilization stores.

The Militia is enlisted in many scattered localities, consequently the people never see the unit in which they are interested. To remedy this, I suggest that infantry regiments train at local headquarters every third year. In all probability a rifle range can be obtained, so that the all-important musketry training could be carried out. It may be advanced that the instruction imparted would not be as complete as if attending a large camp. Possibly this may be so, but the general welfare of the force would be promoted amongst those whose good-will it is most important to have.

The personal equipment of the troops requires early attention. All troops going into camps of instruction should have with them a complete equipment. The "Oliver" equipment already issued to the Infantry, with some modifications can be made most satisfactory. For the alterations necessary the equipment should be returned to Stores and re-issued, or proper artificers sent to regimental headquarters.

*Officers.*

All officers should realize more than they do the responsibility assumed by them in accepting commissions. They should make it a point to attend at the Royal Schools of Instruction maintained for the purpose.

Commanding officers would much advance the efficiency and standing of their corps, if care is exercised in the selection of officers in the first place. A distribution to commanding officers of the blank Forms on which reports to Divisions and Headquarters are made, would enable officers to realize what is expected of them.

*City Corps (Infantry).*

The City Corps training in the evenings for many days in the year, maintain a fairly high proficiency, but their knowledge of camp life and tactical exercises is necessarily limited.

The five days advanced training in Camp, inaugurated for them three years ago, is now appreciated and understood. The larger number attending every year is a satisfactory indication of the benefits derived.

## CADETS.

The increase in the number of cadets enrolled is very gratifying, signifying as it does the approval of the movement and the sympathy of the parents. The direct result in the increase of the Militia from this source, cannot be felt for a few years yet, but it will come and will be of a decided advantage. At the Cadet Camp at Niagara, the improvement over the previous and first year was most marked. A rather advanced tactical exercise was carried out with surprising intelligence. As an early military training it will not be forgotten.

## TRAINING GROUNDS.

With the exception of Petawawa, and possibly Aldershot, the training grounds are entirely too limited. After camping space is provided, little or nothing remains for drill and tactical exercises.



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## MOBILIZATION.

A scheme governing the mobilization of the militia force has been prepared and issued to those concerned.

While this scheme is comprehensive, it would be of much value and interest were it applied to a selected portion of the troops, thus affording a test and demonstration of its practical application.

That expense would be involved is, of course, to be understood. For a test, the mobilization of a brigade of infantry might be ordered, or, if still greater economy is desired, one regiment. Such mobilization of a selected unit could form part of the annual training, and take place at that period. Such selected unit to be given sixteen days' drill pay, as they would be under arms for fully that period.

Were this carried out, many shortcomings would be manifested, affording a valuable lesson to the brigadier and the regimental staff, as well as the company commanders.

For a succeeding year a squadron of cavalry might be selected.

## TRANSPORT.

Naturally following on mobilization is the question of transport by rail, water, and road.

The transport of the troops and stores in the event of active service conditions in the Country, would be of great difficulty, as the movement must necessarily be of an Easterly and Westerly direction by rail, along our entire frontier. This frontier is much exposed. The entire transport west of Montreal is dependent on a coal supply coming entirely from a foreign country. On a previous industrial dispute, the central portion of Canada was entirely cut off from its normal supply. Railways were left in a precarious condition, and had the mine conditions lasted two days longer, some trains would have been cancelled.

Consideration should be given this, and the question of large military coal depots receive attention. A turn over in this coal could be had by selling at market price to the general public.

Our Ordnance Stores, ammunition and supplies are at present concentrated in large centres, and even now in time of peace, moved with difficulty. The remedy for this is, small reserves at mobilization or regimental headquarters.

## DIVISIONAL AND DISTRICT STAFFS.

In the administration of the Divisions and Districts, the centralization at Headquarters tends to hamper action and prevent individual responsibility. As an instance: when Engineer Estimates have been approved and allotted, the divisional commanders might be, without detriment, permitted to dispose of detail expenditure.

## SIGNALLING.

Signalling has much improved and certain selected units are very efficient. It is regretted, however, that three or four units of the Permanent Force, are reported to be "Very Bad."

## SUMMARY.

Attached is a classification of units and percentages trained in 1913.

The shortage of men trained was undoubtedly due to the economic conditions of the Country, and the difficulty of labour keeping pace with production.

In rural units, county limits should be adhered to, and absentee officers placed on the Reserve.

I have the honour to be, sir,

Your obedient servant,

W. H. COTTON, *Major-General,*  
*Inspector-General.*



PERCENTAGE TRAINED and General Classification of Units, Active Militia, 1913.

Branch.	PERCENTAGE TRAINED.			GENERAL CLASSIFICATION BY REGIMENTS, ETC.						
	Officers.	Men.	Horses.	V. Good.	Good.	Fair.	Indifferent.	Relieved.	BEING.	
									Organized.	Disorganized.
	Per cent.	Per cent.	Per cent.							
Cavalry.....	71	80	77	.....	20	15	.....	1	.....	1
Field Artillery.....	84	91	94	3	9	18	.....	1	4	2
Garrison and Heavy Artillery.....	89	91	.....	.....	8	3	.....	.....	.....	.....
Engineers.....	77	56	.....	.....	5	4	.....	2	2	.....
City Corps Infantry.....	84	71	.....	1	25	21	3	.....	.....	.....
Rural Corps Infantry.....	66	71	.....	1	11	29	7	2	6	1
Canadian Army Service Corps.....	75	81	.....	.....	11	5	1	.....	1	.....
Army Medical Corps.....	75	82	.....	.....	17	3	3	.....	.....	.....

W. H. COTTON, I. G.



























